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From: Whiteman, Brian
Sent: Monday, May 15, 2006 10:59 AM
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Subject: seq search

10725013

SEQ ID NO: 2
1) issued us patents and published us patent applications

Thank you,

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Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

STIC-BIOTECH, DTC
(STIC)
MAY 15 2006

Searcher: _____
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Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
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WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: May 18, 2006, 16:48:19 ; Search time 50 Seconds
(without alignments)
1004.852 Million cell updates/sec

Title: US-10-725-013-2

Sequence: 1 MGVVLGALALAGLGFAP.....APSEVVLQHVTRTPQL 574

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3176.5	99.2	575	1 US-08-312-870-1	Sequence 1, App11
2	3176.5	99.2	575	2 US-09-949-002-296	Sequence 296, App
3	3176.5	99.2	575	7 5466668-6	Patent No. 5466668
4	3176.5	99.2	682	2 US-09-949-002-436	Sequence 436, App
5	3172.5	99.0	575	1 US-08-261-206A-59	Sequence 59, App1
6	3172.5	99.0	575	2 US-09-880-484D-2	Sequence 2, App11
7	3172.5	99.0	575	2 US-10-438-648-2	Sequence 2, App11
8	3168.5	98.9	575	1 US-08-170-290A-54	Sequence 54, App1
9	3107	97.0	572	7 5256770-7	Patent No. 5256770
10	2885.5	90.1	516	2 US-09-509-994-2	Sequence 2, App11
11	2881.5	90.0	516	2 US-09-509-994-1	Sequence 1, App11
12	2795.5	87.3	498	1 US-08-733-564-2	Sequence 1, App11
13	2793.5	87.2	497	1 US-08-312-870-3	Sequence 3, App11
14	2789.5	87.1	497	2 US-09-331-793-4	Sequence 4, App11
15	2735.5	85.4	494	1 US-08-014-723-14	Sequence 14, App1
16	2735.5	85.4	494	1 US-08-110-011A-11	Sequence 11, App1
17	2733.5	85.3	494	1 US-08-014-723-16	Sequence 16, App1
18	2733.5	85.3	494	1 US-08-110-011A-16	Sequence 16, App1
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21	2655.5	82.9	475	1 US-08-307-444A-1	Sequence 1, App11
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23	2649.5	82.7	476	1 US-08-014-723-1	Sequence 1, App11
24	2649.5	82.7	476	1 US-08-110-011A-1	Sequence 1, App11
25	2647.5	82.7	476	1 US-08-014-723-2	Sequence 2, App11
26	2647.5	82.7	476	1 US-08-014-723-18	Sequence 18, App1

27	2647.5	82.7	476	1 US-08-110-011A-2	Sequence 2, App11
28	2647.5	82.7	476	1 US-08-110-011A-18	Sequence 18, App1
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34	2512.5	78.4	446	1 US-08-587-389-5	Sequence 5, App11
35	1590.5	49.7	275	1 US-08-312-870-7	Sequence 7, App11
36	1323	41.3	239	2 US-10-104-047-2759	Sequence 2759, App
37	1159	36.2	235	1 US-08-312-870-5	Sequence 5, App11
38	689	21.5	115	1 US-08-312-870-9	Sequence 9, App11
39	681	21.3	114	1 US-08-733-564-1	Sequence 1, App11
40	587.5	18.3	652	1 US-08-751-305-2	Sequence 2, App11
41	578	18.0	757	2 US-09-949-016-6963	Sequence 6963, App
42	578	18.0	758	2 US-09-949-016-8087	Sequence 8087, App
43	573	17.9	492	2 US-09-724-864-39	Sequence 39, App1
44	384	12.0	1935	2 US-09-949-016-10403	Sequence 10403, App
45	384	12.0	2871	2 US-09-538-092-1076	Sequence 1076, App

ALIGNMENTS

RESULT 1
US-08-312-870-1
; Sequence 1, Application US/08312870
; Patent No. 5639625
; GENERAL INFORMATION:
; APPLICANT: Carson, Craig W.
; APPLICANT: Esmon, Charles T.
; TITLE OF INVENTION: Method for Detecting Antibodies to
; / TITLE OF INVENTION: Thrombomodulin in Patients
; / NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Richards, Medlock & Andrews
; STREET: 1201 Elm Street, Suite 4500
; CITY: Dallas
; STATE: Texas
; COUNTRY: US
; ZIP: 75270-2197
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/312,870
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hansen, Eugenia S.
; REGISTRATION NUMBER: 31,966
; REFERENCE/DOCKET NUMBER: OMRF B35150
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 214-939-4500
; TELEFAX: 214-939-4600
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 575 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 19..575
; US-08-312-870-1
Query Match 99.2%; Score 3176.5; DB 1; Length 575;
Best Local Similarity 99.5%; Pred. No. 56-221;

Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60
DB 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60

QY 61 TVRSSVAADVITSLILNDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120
DB 61 TVRSSVAADVITSLILNDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120

QY 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKAADGFLCEHFPAATCRPLAV 180
DB 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKAADGFLCEHFPAATCRPLAV 180

QY 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKAADGFLCEHFPAATCRPLAV 180
DB 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKAADGFLCEHFPAATCRPLAV 180

QY 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQIMCTAPGAVOGHMAREAP 240
DB 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQIMCTAPGAVOGHMAREAP 240

QY 241 GAWDCSVENGCGEHCNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299
DB 241 GAWDCSVENGCGEHCNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299

QY 241 GAWDCSVENGCGEHCNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299
DB 241 GAWDCSVENGCGEHCNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299

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DB 301 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 360

QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419
DB 361 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 420

QY 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHIGTDC 479
DB 421 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHIGTDC 480

QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
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QY 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574
DB 541 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 575

RESULT 2
US-09-949-002-296
; Sequence 296, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 296
; LENGTH: 575
; TYPE: PRN
; ORGANISM: Human
US-09-949-002-296

Query Match 99.2%; Score 3176.5; DB 2; Length 575;
Best Local Similarity 99.5%; Pred. No. 5e-221;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60
DB 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60

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DB 61 TVRSSVAADVITSLILNDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120

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DB 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKAADGFLCEHFPAATCRPLAV 180

QY 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQIMCTAPGAVOGHMAREAP 240
DB 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQIMCTAPGAVOGHMAREAP 240

QY 241 GAWDCSVENGCGEHCNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299
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DB 301 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 360

QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419
DB 361 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 420

QY 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHIGTDC 479
DB 421 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHIGTDC 480

QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540

QY 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574
DB 541 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 575

RESULT 3
546668-6
; Patent No. 546668
; APPLICANT: GLASER, CHARLES B.; MORSER, MICHAEL J.; LIGHT,
; DAVID R.
; TITLE OF INVENTION: SUPERIOR THROMBOMODULIN ANALOGS FOR
; PHARMACEUTICAL USE
; NUMBER OF SEQUENCES: 57
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/155,346
; FILING DATE: 22-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 568,456
; FILING DATE: 15-AUG-1990
; APPLICATION NUMBER: 506,325
; FILING DATE: 09-APR-1990
; APPLICATION NUMBER: 406,941
; FILING DATE: 13-SEP-1989
; APPLICATION NUMBER: 345,374
; FILING DATE: 28-APR-1989
; SEQ ID NO: 6
; LENGTH: 575
546668-6

Query Match 99.2%; Score 3176.5; DB 7; Length 575;
Best Local Similarity 99.5%; Pred. No. 5e-221;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60
DB 1 MGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYRGPATFLNASQICDGLRGHLM 60

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Qy 121 RMARLDLNGAPLPGPLCVAAVAEATVPSEPIWEEOCEVKADGFLCEHFHPATCRPLAV 180
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Db 301 DPGSISCMCEITGYRLAADHRCEDVDCLLEBSPCPCVNTQGGFECCHYBNYDLVDG 360
Qy 360 ECEVPDPCFRANCEYOCOPPLNOTSYLVCABGFAPIPHEPHRCQMFQNOTACPADCDPN 419
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Db 541 KKGAAARAKMEYKCAAPSKREVVLQHVTERTPQRL 575

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; Sequence 436, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; SOFTWARE: FastSeq for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 10823
; LENGTH: 682
; TYPE: PRT
; ORGANISM: Human
US-09-949-002-436

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Query Match 99.2%; Score 3176.5; DB 2; Length 682;
Best Local Similarity 99.5%; Pred. No. 6e-221; Indels 1; Gaps 1;
Matches 572; Conservative 0; Mismatches 2;

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Db 288 EPGAAAASVITYGTPTFAARGADFOALPVGSSAAVAPLGIQLMCTAPGAVOGHMARBP 347
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Db 348 GAWDCSVENGGCHACNAIPGARPCCPAGALQADGRCTASATOSCNLCEHFCVNP 407
Qy 300 DPGSISCMCEITGYRLAADHRCEDVDCLLEBSPCPCVNTQGGFECCHYBNYDLVDG 359
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|
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Db 648 KKGAAARAKMEYKCAAPSKREVVLQHVTERTPQRL 682

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RESULT 5
US-08-261-206A-59
; Sequence 59, Application US/08261206A
; Patent No. 5574007
; GENERAL INFORMATION:
; APPLICANT: Zushi, Mitichitaka
; APPLICANT: Gomi, Komakazu
; APPLICANT: Yamamoto, Shuji
; APPLICANT: Suzuki, Koji
; APPLICANT: Matsuda, Akio
; TITLE OF INVENTION: A Polypeptide Capable of Interacting
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasech & Birch
; STREET: 301 N. Washington St.
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/261,206A
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/740,492
; FILING DATE: 03-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Syensson, Leonard R.
; REGISTRATION NUMBER: 30330
; REFERENCE/DOCKET NUMBER: 216-275P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 575 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

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; FRAGMENT TYPE: Internal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..575
; OTHER INFORMATION: /label= protein
; OTHER INFORMATION: /note= "human thrombomodulin"
US-08-261-206A-59

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Query Match      99.0%; Score 3172.5; DB 1; Length 575;
Best Local Similarity 99.3%; Pred. No. 9.7e-221;
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVLVLTGALALAGLPAPAPAPGPGSQCVHDCFLALYPGATFLNLSQICDGLRGLM 60
DB 1 MGVLVLTGALALAGLPAPAPAPGPGSQCVHDCFLALYPGATFLNLSQICDGLRGLM 60
QY 61 TVRSSVAADVISILLNGDGVGRRLWIGLQLPPCGDPKRLGRLGFQWVTGDNNTSYS 120
DB 61 TVRSSVAADVISILLNGDGVGRRLWIGLQLPPCGDPKRLGRLGFQWVTGDNNTSYS 120
QY 121 RWRRLDNLGAPLPGPLCVASAATVSEPIWEBOQCVKADGFLCEHFPAICRPLAV 180
DB 121 RWRRLDNLGAPLPGPLCVASAATVSEPIWEBOQCVKADGFLCEHFPAICRPLAV 180
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DB 181 EPGAAAVSITGTFFAARGADFOALPVSSAAVAAPLGLQMLCTAPGAVGHWAREAP 240
QY 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 299
DB 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 299
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DB 300 DOGSSVCMCEYRRLAADHRCEDVDCLLEPSPQRCVNTQSGFECYNYDLVNG 359
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DB 360 ECEVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAPIPHEPRQCFNQTACPADCDPN 419
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DB 420 TQASCECPBGYIIDDGFICTDIDECENGFCGVCVCHNLPGTFECICGPDALVRHIGTDC 479
QY 480 DSGKVDGSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISTASLCLVVALALLCHLR 539
DB 480 DSGKVDGSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISTASLCLVVALALLCHLR 539
QY 540 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 574
DB 540 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 574
QY 541 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 575
DB 541 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 575

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RESULT 6
US-09-880-484D-2
; Sequence 2, Application US/09880484D
; Patent No. 663791
; GENERAL INFORMATION:
; APPLICANT: Light, David
; APPLICANT: Nagashima, Mariko
; APPLICANT: Morser, Michael J
; TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use
; FILE REFERENCE: 51863AUSM1
; CURRENT APPLICATION NUMBER: US/09/880,484D
; PRIOR FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: 60/213,678
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 575

```

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-484D-2

```

```

Query Match      99.0%; Score 3172.5; DB 2; Length 575;
Best Local Similarity 99.3%; Pred. No. 9.7e-221;
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVLVLTGALALAGLPAPAPAPGPGSQCVHDCFLALYPGATFLNLSQICDGLRGLM 60
DB 1 MGVLVLTGALALAGLPAPAPAPGPGSQCVHDCFLALYPGATFLNLSQICDGLRGLM 60
QY 61 TVRSSVAADVISILLNGDGVGRRLWIGLQLPPCGDPKRLGRLGFQWVTGDNNTSYS 120
DB 61 TVRSSVAADVISILLNGDGVGRRLWIGLQLPPCGDPKRLGRLGFQWVTGDNNTSYS 120
QY 121 RWRRLDNLGAPLPGPLCVASAATVSEPIWEBOQCVKADGFLCEHFPAICRPLAV 180
DB 121 RWRRLDNLGAPLPGPLCVASAATVSEPIWEBOQCVKADGFLCEHFPAICRPLAV 180
QY 181 EPGAAAVSITGTFFAARGADFOALPVSSAAVAAPLGLQMLCTAPGAVGHWAREAP 240
DB 181 EPGAAAVSITGTFFAARGADFOALPVSSAAVAAPLGLQMLCTAPGAVGHWAREAP 240
QY 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 299
DB 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 299
QY 300 DOGSSVCMCEYRRLAADHRCEDVDCLLEPSPQRCVNTQSGFECYNYDLVNG 359
DB 300 DOGSSVCMCEYRRLAADHRCEDVDCLLEPSPQRCVNTQSGFECYNYDLVNG 359
QY 360 ECEVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAPIPHEPRQCFNQTACPADCDPN 419
DB 360 ECEVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAPIPHEPRQCFNQTACPADCDPN 419
QY 420 TQASCECPBGYIIDDGFICTDIDECENGFCGVCVCHNLPGTFECICGPDALVRHIGTDC 479
DB 420 TQASCECPBGYIIDDGFICTDIDECENGFCGVCVCHNLPGTFECICGPDALVRHIGTDC 479
QY 480 DSGKVDGSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISTASLCLVVALALLCHLR 539
DB 480 DSGKVDGSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISTASLCLVVALALLCHLR 539
QY 540 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 574
DB 540 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 574
QY 541 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 575
DB 541 KKGAAARAKMEYKCAAPSKKEVVLQHVTERTERPQL 575

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RESULT 7
US-10-438-648-2
; Sequence 2, Application US/10438648
; Patent No. 6790828
; GENERAL INFORMATION:
; APPLICANT: Light, David
; APPLICANT: Nagashima, Mariko
; APPLICANT: Morser, Michael J
; TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use
; FILE REFERENCE: 51863AUSD1
; CURRENT APPLICATION NUMBER: US/10/438,648
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: US 60/213,678
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 09/880,484
; PRIOR FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-438-648-2

```

```

Query Match 99.0%; Score 3172.5; DB 2; Length 575;
Best Local Similarity 99.3%; Pred. No. 9.7e-221;
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1

OY 1 MLGVVLALALAGLPAPAPAPPOPGGSCVCHDCEFALYPCGPATLNASQICDGLRGHLM 60
DB 1 MLGVVLGALMALAGLPAPAPAPPOGGSCVCHDCEFALYPCGPATLNASQICDGLRGHLM 60
OY 61 TVRSSVADVLSLLINGDGVGRRLWIGLOLPCGCGPKRIGLIRGFOWTGDNNITSYS 120
DB 61 TVRSSVADVLSLLINGDGVGRRLWIGLOLPCGCGPKRIGLIRGFOWTGDNNITSYS 120
OY 121 RPARLDLNGAPLCGFLCYAVASAAXETVSESEPIWEEOQCEVADGFLCEHFPAATCPRLAY 180
DB 121 RPARLDLNGAPLCGFLCYAVASAAXETVSESEPIWEEOQCEVADGFLCEHFPAATCPRLAY 180
OY 181 EPGAAAAAVSTTYGPPAPARAGDPALPVGSSAAVAPLGLQLMCTAPPGAVOGHWAREAP 240
DB 181 EPGAAAAAVSTTYGPPAPARAGDPALPVGSSAAVAPLGLQLMCTAPPGAVOGHWAREAP 240
OY 241 GAMDCEVENGCCEHACNAIPGARPCQCPAGALQADGHSCTAS-TOSCNDLCEHFCEVNP 299
DB 241 GAMDCEVENGCCEHACNAIPGARPCQCPAGALQADGHSCTASATQSCNDLCEHFCEVNP 300
OY 300 DQPGSYSCMCTGYRLADQHRCEBVDCCILEPSPCPORCVNTQGGFECHCYPNYDLVG 359
DB 301 DQPGSYSCMCTGYRLADQHRCEBVDCCILEPSPCPORCVNTQGGFECHCPYNYDLVG 360
OY 360 ECVEBVDCEPFANCCEYOCOPINQTSYLCVCAEGFAPITHEPHRCOMFCNQOTACPADCDPN 419
DB 361 ECVEBVDCEPFANCCEYOCOPINQTSYLCVCAEGFAPITHEPHRCOMFCNQOTACPADCDPN 420
OY 420 TQASCECEGYILDDGFLCTDIDECENGGFCSGVCHNLPGTFECCIGPDSALARIIGTDC 479
DB 421 TQASCECEGYILDDGFLCTDIDECENGGFCSGVCHNLPGTFECCIGPDSALVRIIGTDC 480
OY 480 DSGKVDGDSGSGEPSPPTPGSTITPRAVGLVHSGLLIGISIASLCLVALLALCHLR 539
DB 481 DSGKVDGDSGSGEPSPPTPGSTITPRAVGLVHSGLLIGISIASLCLVALLALCHLR 540
OY 540 KKQGAARAKMEYKCAAPSKVVLQHVRIERTPQRL 574
DB 541 KKQGAARAKMEYKCAAPSKVVLQHVRIERTPQRL 575

RESULT 8
US-08-170-290A-54
Sequence 54, Application US/08170290A
Patent No. 5702931
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
APPLICANT: Morser, Michael J.
APPLICANT: Zielender, Laura R.
TITLE OF INVENTION: No. 5702931el Mutagenesis Methods and
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: James M. Heslin
STREET: 379 Lytton Ave.
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,290A
FILING DATE: 28-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

```

```

APPLICATION NUMBER: PCT/US92/05573
FILING DATE: 01-JUL-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/724,237
FILING DATE: 01-JUL-1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heslin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 11972-58-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 575 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-170-290A-54

Query Match      98.9%; Score 3168.5; DB 1; Length 575;
Best Local Similarity 99.3%; Pred. No. 1.9e-220;
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY      1  MLGLVLVGLALALAGLGEPPAPAPQPGSGOCVEHDCFALYPGPATFLNASQICDGLRGHLM 60
DB      1  MLGLVLVGLALALAGLGFPAPEPQPGSGOCVEHDCSALYGPATFLNASQICDGLRGHLM 60

QY      61  TVRSSVAADVYISLLINDGGVGGRRRLWIGIQLPFGCGDPKRLGLRGFOWYTGNNNTSYS 120
DB      61  TVRSSVAADVYISLLINDGGVGGRRRLWIGIQLPFGCGDPKRLGLRGFOWYTGNNNTSYS 120

QY      121  RMAFLDLNGAPLPGCLCVASAABATVPSEPIWEEQCEYKADGFLCEFPHPATCRPLAY 180
DB      121  RMAFLDLNGAPLPGCLCVASAABATVPSEPIWEEQCEYKADGFLCEFPHPATCRPLAY 180

QY      181  EPGAAAAAVSTYTGTPPAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAOGHMAEAP 240
DB      181  EPGAAAAAVSTYTGTPPAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAOGHMAEAP 240

QY      241  GAMDCSVENGCGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFVCPNP 299
DB      241  GAMDCSVENGCGCEHACNAIPGARPCQCPAGALQADGRSCTASQTQSCNDLCEHFVCPNP 300

QY      300  DQPSYSYCMCEGTGRLAADQRCEDVDVDTLBPSPQRQRCVNTQGGFCHCYPRYDLVDG 359
DB      300  DQPSYSYCMCEGTGRLAADQRCEDVDVDTLBPSPQRQRCVNTQGGFCHCYPRYDLVDG 360

QY      361  ECVEPVPCPRFRANCEYOCPLNQTYSYLCVCAEGFAPLPHBPHRCMCNQTACPADCDPN 419
DB      361  ECVEPVPCPRFRANCEYOCPLNQTYSYLCVCAEGFAPLPHBPHRCMCNQTACPADCDPN 420

QY      420  TQASCECPGEGYIIDDGFICTDIDECENGFCGSGCHNLPGTFECTICGPDASALAHITGDC 479
DB      421  TQASCECPGEGYIIDDGFICTDIDECENGFCGSGCHNLPGTFECTICGPDASALAHITGDC 480

QY      480  DSGKVDGSDGSGSPSPPTPGSTLTTPPAVGLVHSGLLIGTISLACLVAALLALCHLR 539
DB      481  DSGKVDGSDGSGSPSPPTPGSTLTTPPAVGLVHSGLLIGTISLACLVAALLALCHLR 540

QY      540  KKQGAARAKMEYKCAAPSKVEVLQHVTERTEPRTL 574
DB      541  KKQGAARAKMEYKCAAPSKVEVLQHVTERTEPRTL 575

RESULT 9
5256770-7
Patent No. 5256770
APPLICANT: GLASER, CHARLES B.; MORSE, MICHAEL J.; LIGHT,
DAVID R.
TITLE OF INVENTION: OXIDATION RESISTANT THROMBOMODULIN ANALOGS

```

NUMBER OF SEQUENCES: 48
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/506,325
 FILING DATE: 09-APR-1990
 SEQ ID NO: 7
 LENGTH: 572
 5256770-7

Query Match 97.0%; Score 3107; DB 7; Length 572;
 Best Local Similarity 98.3%; Pred. No. 5.1e-216;
 Matches 565; Conservative 0; Mismatches 6; Indels 4; Gaps 3;

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QY 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
DB 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
QY 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPFGCGDPKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPFGCGDPKRLGRLGFQMTGDNNTSYS 119
QY 121 RMARLDLNGAPLCGPLCVASAEATVPSEPIWBEQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLCGPLCVASAEATVPSEPIWBEQCEVKADGFLCEFHFPATCRPLAV 179
QY 181 EPGAAAAVSIITGTFFAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAOGHAREAP 240
DB 181 EPGAAAAVSIITGTFFAARGADFOALPVGSSAAVAPLGLQIMCTA--GAVOGHAREAP 237
QY 241 GAWDCSVENGCEHACNAIPGARPCCPAGALQADGRSCTAS--TOSCNLDCEHFCVNP 299
DB 238 GAWDCSVENGCEHACNAIPGARPCCPAGALQADGRSCTASATOSCNLDCEHFCVNP 297
QY 300 DQGSYSKCEGTGYRLAADHRCEDVDCTLESPCPQRCVNTQGGFECYPNYDLVDG 359
DB 298 DQGSYSKCEGTGYRLAADHRCEDVDCTLESPCPQRCVNTQGGFECYPNYDLVDG 357
QY 360 ECEPVPDPCFRANCEYQCCPLNOTSYLVCAGGFAPIPHBPRCQMFQNOTACPADCDN 419
DB 358 ECEPVPDPCFRANCEYQCCPLNOTSYLVCAGGFAPIPHBPRCQMFQNOTACPADCDN 417
QY 420 TQASCCEPGYIIDDGFTCTDIDECENGFGCGVCHNLPTFEFCICGPPSALARIHGTDC 479
DB 418 TQASCCEPGYIIDDGFTCTDIDECENGFGCGVCHNLPTFEFCICGPPSALARIHGTDC 477
QY 480 DSGKVDGSGSGGSEPPSPPTGSLTPPAVGLVHSGLLIGISTASLCLVALALALCHLR 539
DB 478 DSGKVDGSGSGGSEPPSPPTGSLTPPAVGLVHSGLLIGISTASLCLVALALALCHLR 537
QY 540 KKGGAARAKMEYKCAAPSKENVLQHVTERTPQL 574
DB 538 KKGGAARAKMEYKCAAPSKENVLQHVTERTPQL 572

```

RESULT 10
 US-09-994-2
 Sequence 2, Application US/09509994
 Patent No. 6808706

GENERAL INFORMATION:
 APPLICANT: YUI, MASAKI
 APPLICANT: YOKOZAWA, AKIRA
 APPLICANT: MURATA, TOMOYO
 APPLICANT: TSURUTA, KAZUHISA
 APPLICANT: SHIMIZU, HIROTOOMO
 TITLE OF INVENTION: METHOD FOR KEEPING THE QUALITY OF AQUEOUS PARENTERAL
 TITLE OF INVENTION: SOLUTION OF THROMBOMODULIN IN STORAGE AND DISTRIBUTION
 FILE REFERENCE: KP-8753
 CURRENT APPLICATION NUMBER: US/09/509,994
 CURRENT FILING DATE: 2000-05-08
 PRIOR APPLICATION NUMBER: PCT/JP98/04609
 PRIOR FILING DATE: 1998-10-13
 PRIOR APPLICATION NUMBER: JP 9-281659
 PRIOR FILING DATE: 1997-10-15
 PRIOR APPLICATION NUMBER: JP 9-308523

PRIOR FILING DATE: 1997-11-11
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: Patentln Ver. 2.1
 SEQ ID NO 2
 LENGTH: 516
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: Partial amino acid sequences of a human
 US-09-994-2

Query Match 90.1%; Score 2885.5; DB 2; Length 516;
 Best Local Similarity 99.4%; Pred. No. 4.2e-200;
 Matches 513; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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QY 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
DB 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
QY 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPFGCGDPKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPFGCGDPKRLGRLGFQMTGDNNTSYS 120
QY 121 RMARLDLNGAPLCGPLCVASAEATVPSEPIWBEQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLCGPLCVASAEATVPSEPIWBEQCEVKADGFLCEFHFPATCRPLAV 180
QY 181 EPGAAAAVSIITGTFFAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAOGHAREAP 240
DB 181 EPGAAAAVSIITGTFFAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAOGHAREAP 240
QY 241 GAWDCSVENGCEHACNAIPGARPCCPAGALQADGRSCTAS--TOSCNLDCEHFCVNP 299
DB 241 GAWDCSVENGCEHACNAIPGARPCCPAGALQADGRSCTASATOSCNLDCEHFCVNP 297
QY 300 DQGSYSKCEGTGYRLAADHRCEDVDCTLESPCPQRCVNTQGGFECYPNYDLVDG 359
DB 301 DQGSYSKCEGTGYRLAADHRCEDVDCTLESPCPQRCVNTQGGFECYPNYDLVDG 360
QY 360 ECEPVPDPCFRANCEYQCCPLNOTSYLVCAGGFAPIPHBPRCQMFQNOTACPADCDN 419
DB 361 ECEPVPDPCFRANCEYQCCPLNOTSYLVCAGGFAPIPHBPRCQMFQNOTACPADCDN 420
QY 420 TQASCCEPGYIIDDGFTCTDIDECENGFGCGVCHNLPTFEFCICGPPSALARIHGTDC 479
DB 421 TQASCCEPGYIIDDGFTCTDIDECENGFGCGVCHNLPTFEFCICGPPSALARIHGTDC 480
QY 480 DSGKVDGSGSGGSEPPSPPTGSLTPPAVGLVHSG 515
DB 481 DSGKVDGSGSGGSEPPSPPTGSLTPPAVGLVHSG 516

```

RESULT 11
 US-09-994-1
 Sequence 1, Application US/09509994
 Patent No. 6808706

GENERAL INFORMATION:
 APPLICANT: YUI, MASAKI
 APPLICANT: YOKOZAWA, AKIRA
 APPLICANT: MURATA, TOMOYO
 APPLICANT: TSURUTA, KAZUHISA
 APPLICANT: SHIMIZU, HIROTOOMO
 TITLE OF INVENTION: METHOD FOR KEEPING THE QUALITY OF AQUEOUS PARENTERAL
 TITLE OF INVENTION: SOLUTION OF THROMBOMODULIN IN STORAGE AND DISTRIBUTION
 FILE REFERENCE: KP-8753
 CURRENT APPLICATION NUMBER: US/09/509,994
 CURRENT FILING DATE: 2000-05-08
 PRIOR APPLICATION NUMBER: PCT/JP98/04609
 PRIOR FILING DATE: 1998-10-13
 PRIOR APPLICATION NUMBER: JP 9-281659
 PRIOR FILING DATE: 1997-10-15
 PRIOR APPLICATION NUMBER: JP 9-308523

; PRIOR FILING DATE: 1997-11-11
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 516
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Partial amino acid sequences of a human
 ; US-09-509-994-1

Query Match 90.0%; Score 2881.5; DB 2; Length 516;
 Best Local Similarity 99.2%; Pred. No. 8.1e-200;
 Matches 512; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MCGVLVIGALALAGLGPAPAEPOPGSCCEHDCFLYGPATFLNASQICDGLRGLHM 60
 DB 1 MCGVLVIGALALAGLGPAPAEPOPGSCCEHDCFLYGPATFLNASQICDGLRGLHM 60
 QY 61 TVSSVADYISLLNGDGGVRRRLMIGLQIPGCGDPRKLGPRGFOWVTGDNNTSYS 120
 DB 61 TVSSVADYISLLNGDGGVRRRLMIGLQIPGCGDPRKLGPRGFOWVTGDNNTSYS 120
 QY 121 RMARLDLNGAPLPGPLCVAVSAEAATVSEPIWEEQCEVADGFLCEFFHPATCRPLAV 180
 DB 121 RMARLDLNGAPLPGPLCVAVSAEAATVSEPIWEEQCEVADGFLCEFFHPATCRPLAV 180
 QY 181 EPGAAAANVSTYTGTPPARAGADPQALPVSSAAVAPLGLMCTAPGAVQGHMAREAP 240
 DB 181 EPGAAAANVSTYTGTPPARAGADPQALPVSSAAVAPLGLMCTAPGAVQGHMAREAP 240
 QY 241 GADGSCVENGGCHACNAIGARPCCPAGALQADRSCTAS-TOSCNLCEHFCVNP 259
 DB 241 GADGSCVENGGCHACNAIGARPCCPAGALQADRSCTAS-TOSCNLCEHFCVNP 259
 QY 300 DQPGSYSCMCEYRILADHRCEVDVDCILIEBSPCPCVCNTQGGFECYPNYDLVDG 359
 DB 300 DQPGSYSCMCEYRILADHRCEVDVDCILIEBSPCPCVCNTQGGFECYPNYDLVDG 359
 QY 360 ECVPEVDPCEFRANCEYQCPPLNTSYLVCVABGFAPIPHEPHRCQMFCONGTACPADCPN 419
 DB 360 ECVPEVDPCEFRANCEYQCPPLNTSYLVCVABGFAPIPHEPHRCQMFCONGTACPADCPN 419
 QY 420 TQASCGCPGXYLLDDGFLCTDIDECENGGFCGVCNHLPTFEFCICGPDALARIHGTDC 479
 DB 420 TQASCGCPGXYLLDDGFLCTDIDECENGGFCGVCNHLPTFEFCICGPDALARIHGTDC 479
 QY 480 DSGKVDGDSGSGEPSPPTPGSTLTTPPAVGLVHSG 515
 DB 480 DSGKVDGDSGSGEPSPPTPGSTLTTPPAVGLVHSG 515

RESULT 12
 ; US-08-733-564-2
 ; Sequence 2, Application US/08733564
 ; Patent No. 5916874
 ; GENERAL INFORMATION:
 ; APPLICANT: FUJIMAWA, Kenji
 ; APPLICANT: MOCHIDA, Satoshi
 ; TITLE OF INVENTION: METHOD FOR TREATING LIVER INJURY
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Birch, Stewart, Kolaach & Birch, LLP
 ; STREET: P.O. Box 747
 ; CITY: Falls Church
 ; STATE: Virginia
 ; COUNTRY: USA
 ; ZIP: 22040-0747
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/733,564
 ; FILING DATE: 18 OCTOBER 1996
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SVENSSON, Leonard R.
 ; REGISTRATION NUMBER: 30,330
 ; REFERENCE/DOCKET NUMBER: 0216-0362P
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703) 205-8000
 ; TELEFAX: (703) 205-8050
 ; TELEX: 248345
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 498 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Protein
 ; US-08-733-564-2

Query Match 87.3%; Score 2795.5; DB 1; Length 498;
 Best Local Similarity 99.2%; Pred. No. 1.2e-193;
 Matches 494; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 19 APAEPQGSQCEHDCFLYGPATFLNASQICDGLRGLHM TVSSVADYISLLNGD 78
 DB 1 APAEPQGSQCEHDCFLYGPATFLNASQICDGLRGLHM TVSSVADYISLLNGD 60
 QY 79 GGVRRRLMIGLQIPGCGDPRKLGPRGFOWVTGDNNTSYSRMARLDLNGAPLPGPLCV 138
 DB 61 GGVRRRLMIGLQIPGCGDPRKLGPRGFOWVTGDNNTSYSRMARLDLNGAPLPGPLCV 120
 QY 139 AVSAEAATVSEPIWEEQCEVADGFLCEFFHPATCRPLAVEPGAAAANVSTYTGTPPA 198
 DB 121 AVSAEAATVSEPIWEEQCEVADGFLCEFFHPATCRPLAVEPGAAAANVSTYTGTPPA 180
 QY 199 ARGADFOALPVSSAAVAPLGLMCTAPGAVQGHMAREAPAMDCSVENGGCHACNA 258
 DB 181 ARGADFOALPVSSAAVAPLGLMCTAPGAVQGHMAREAPAMDCSVENGGCHACNA 240
 QY 259 IPGARPCCPAGALQADRSCTAS-TOSCNLCEHFCVNPDPQPGSYSCMCEYRILAA 317
 DB 241 IPGARPCCPAGALQADRSCTAS-TOSCNLCEHFCVNPDPQPGSYSCMCEYRILAA 300
 QY 318 DQHRCEVDVDCILIEBSPCPCVCNTQGGFECYPNYDLVDGCEVPEVDPCEFRANCEYQC 377
 DB 301 DQHRCEVDVDCILIEBSPCPCVCNTQGGFECYPNYDLVDGCEVPEVDPCEFRANCEYQC 360
 QY 378 QPLNNTSYLVCVABGFAPIPHEPHRCQMFCONGTACPADCPNTQASCEGPGXYLLDDGFL 437
 DB 361 QPLNNTSYLVCVABGFAPIPHEPHRCQMFCONGTACPADCPNTQASCEGPGXYLLDDGFL 420
 QY 438 CTDIDECENGGFCGVCNHLPTFEFCICGPDALARIHGTDCDSGKVDGDSGSGEPSP 497
 DB 421 CTDIDECENGGFCGVCNHLPTFEFCICGPDALARIHGTDCDSGKVDGDSGSGEPSP 480
 QY 498 PTPGSTLTTPPAVGLVHSG 515
 DB 481 PTPGSTLTTPPAVGLVHSG 498

RESULT 13
 ; US-08-312-870-3
 ; Sequence 3, Application US/08312870
 ; Patent No. 5639625
 ; GENERAL INFORMATION:
 ; APPLICANT: Carson, Craig W.
 ; APPLICANT: Esmen, Charles T.
 ; TITLE OF INVENTION: Method for Detecting Antibodies to
 ; TITLE OF INVENTION: Thrombomodulin in Patients
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:

```

ADDRESS: Richard, Medlock & Andrews
STREET: 1201 Elm Street, Suite 4500
CITY: Dallas
STATE: Texas
COUNTRY: US
ZIP: 75270-2197
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/312,870
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hansen, Eugenia S.
REGISTRATION NUMBER: 31,966
REFERENCE/DOCKET NUMBER: OMRF B35150
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214-939-4500
TELEFAX: 214-939-4600
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 497 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-312-870-3

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Query Match      87.2%; Score 2793.5; DB 1; Length 497;
Best Local Similarity 99.4%; Pred. No. 1,7e-193;
Matches 494; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

19 APAEPQGSQCYEHDCFPALYPGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 78
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79 GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVTGDNNTSYSRMARLDNGAPLCGLCV 138
61 GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVTGDNNTSYSRMARLDNGAPLCGLCV 120
139 AVSAEATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAASVITGTTPA 198
121 AVSAEATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAASVITGTTPA 180
199 ARGADFOALPVSSAAVAPLGLQMLCTAPGAVOGHWAEPAGANDCSVENGCCEHACNA 258
181 ARGADFOALPVSSAAVAPLGLQMLCTAPGAVOGHWAEPAGANDCSVENGCCEHACNA 240
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241 IPGARCCQCPAGALQADRSCTAS-TOSCNDCIHFVCPNPDOPGSYSCMCETGYRLAA 300
318 DQRCEDVDVCILPEPCPCQRCVNTQGFECCHYPNYDLVDGECVEPVDPCFRANCEYQC 377
301 DQRCEDVDVCILPEPCPCQRCVNTQGFECCHYPNYDLVDGECVEPVDPCFRANCEYQC 360
378 QPLNQTSYLCVCAEGFAPIPHEBRCQMFNCNQTACPADCPNTQASCECEGYYILDGFI 437
361 QPLNQTSYLCVCAEGFAPIPHEBRCQMFNCNQTACPADCPNTQASCECEGYYILDGFI 420
438 CTDIDECENGFGSGVCHNLPGTFFECICGPDALAHIGTDCDSGKVDGSDSGEPSPS 497
421 CTDIDECENGFGSGVCHNLPGTFFECICGPDALAHIGTDCDSGKVDGSDSGEPSPS 480
498 PTPGSTLTTPPAGLVHS 514
481 PTPGSTLTTPPAGLVHS 497

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RESULT 14
US-09-331-793-4

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Sequence 4, Application US/09331793
Patent No. 6500646
GENERAL INFORMATION:
APPLICANT: KURIYAMA, Shintchi
APPLICANT: HASEGAWA, Takashi
TITLE OF INVENTION: CELL MEMBRANE DIRECTED DRUGS
FILE REFERENCE: 1110-253P
CURRENT APPLICATION NUMBER: US/09/331,793
CURRENT FILING DATE: 1999-06-25
NUMBER OF SEQ ID NOS: 67
SOFTWARE: Patent version 3.0
SEQ ID NO 4
LENGTH: 497
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-331-793-4

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Query Match      87.1%; Score 2789.5; DB 2; Length 497;
Best Local Similarity 99.2%; Pred. No. 3.3e-193;
Matches 493; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

19 APAEPQGSQCYEHDCFPALYPGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 78
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79 GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVTGDNNTSYSRMARLDNGAPLCGLCV 138
61 GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVTGDNNTSYSRMARLDNGAPLCGLCV 120
139 AVSAEATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAASVITGTTPA 198
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378 QPLNQTSYLCVCAEGFAPIPHEBRCQMFNCNQTACPADCPNTQASCECEGYYILDGFI 437
361 QPLNQTSYLCVCAEGFAPIPHEBRCQMFNCNQTACPADCPNTQASCECEGYYILDGFI 420
438 CTDIDECENGFGSGVCHNLPGTFFECICGPDALAHIGTDCDSGKVDGSDSGEPSPS 497
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498 PTPGSTLTTPPAGLVHS 514
481 PTPGSTLTTPPAGLVHS 497

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RESULT 15
US-08-014-723-14
Sequence 14, Application US/08014723
Patent No. 5273962
GENERAL INFORMATION:
APPLICANT: Doi, Takeshi
APPLICANT: Iwasaki, Akio
APPLICANT: Saino, Yushi
APPLICANT: Kimura, Shigeru
APPLICANT: Okuchi, Masao
TITLE OF INVENTION: Thrombin-Binding Substance and Process
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATIER & NEUSTADT,

ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/014,723
FILING DATE: 19930208
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5273962man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 80-071-0 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 494 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-014-723-14

Query Match 85.4%; Score 2735.5; DB 1; Length 494;
Best Local Similarity 98.6%; Pred. No. 2.6e-189;
Matches 467; Conservative 0; Mismatches 6; Indels 1; Gaps 1;

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DB 1 MGVTVLGLALALAGLPAPAEPOGSGSCVEHDCFALYGPATFLNASQICDLRGLHM 60
QY 61 TYRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCCDPKRLGFLRGFQVVTGDNNTSYS 120
DB 61 TYRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCCDPKRLGFLRGFQVVTGDNNTSYS 120
QY 121 RNARLDLNGAPLCGPLCVASAEATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RNARLDLNGAPLCGPLCVASAEATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 180
QY 181 EPGAAAAVSIYGTPEARAGDFQALPVGSSAAVAPLGIQLMCTAPPGAVOGHMAREAP 240
DB 181 EPGAAAAVSIYGTPEARAGDFQALPVGSSAAVAPLGIQLMCTAPPGAVOGHMAREAP 240
QY 241 GAMDCSVENGCGCHACNAIPGARPCQCPAGALQADGRSCTAS-TOSCNDLCEHFCVNP 299
DB 241 GAMDCSVENGCGCHACNAIPGARPCQCPAGALQADGRSCTAS-TOSCNDLCEHFCVNP 299
QY 300 DPGSYSCMCEYTRLAADQHRCEVDYDCTLEBSPCPCRCVNTQGGFEGHCYPNYDLVDG 359
DB 301 DPGSYSCMCEYTRLAADQHRCEVDYDCTLEBSPCPCRCVNTQGGFEGHCYPNYDLVDG 359
QY 360 ECVPEVPDPCFRANCEYQCPPLNTSYLCVCAEGFAPIPHEPHRCQMFNCQTFACPADCPN 419
DB 361 ECVPEVPDPCFRANCEYQCPPLNTSYLCVCAEGFAPIPHEPHRCQMFNCQTFACPADCPN 419
QY 420 TQASCECPBGYIIDDGFICTDIDECENGFCGSGVCHNLRTGFECTICGPDALARHIGTDC 479
DB 421 TQASCECPBGYIIDDGFICTDIDECENGFCGSGVCHNLRTGFECTICGPDALARHIGTDC 479
QY 480 DSGKVDGSDSGGE 493
DB 481 DSGKVDGSDSGGE 494

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Job time : 52 secs

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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 18, 2006, 16:48:28 ; Search time 80 Seconds

(without alignments)
3323.567 Million cell updates/sec

Title: US-10-725-013-2

Perfect score: 3203
Sequence: 1 MGVLVGALALAGLGFPAAP.....APEKEVVLQHVTRTRPQRL 574

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA Main:*

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- 2: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US08_PUBCOMB.pep:*
- 3: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US09_PUBCOMB.pep:*
- 4: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10_PUBCOMB.pep:*
- 5: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10_PUBCOMB.pep:*
- 6: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3203	100.0	574	4 US-10-725-013-2	Sequence 2, Appl1
2	3176.5	99.2	575	4 US-10-150-440-3	Sequence 3, Appl1
3	3176.5	99.2	575	4 US-10-373-801-29	Sequence 29, Appl1
4	3176.5	99.2	575	4 US-10-712-124-110	Sequence 110, Appl1
5	3176.5	99.2	575	4 US-10-785-156-2	Sequence 2, Appl1
6	3176.5	99.2	631	4 US-10-150-440-1	Sequence 1, Appl1
7	3176.5	99.2	631	4 US-10-741-601-309	Sequence 309, Appl1
8	3176.5	99.2	631	4 US-10-995-561-546	Sequence 546, Appl1
9	3172.5	99.0	575	4 US-09-938-405-2	Sequence 2, Appl1
10	3172.5	99.0	575	4 US-10-438-648-2	Sequence 2, Appl1
11	3172.5	99.0	575	4 US-10-410-195-2	Sequence 2, Appl1
12	3159.5	98.6	575	4 US-10-094-886-196	Sequence 196, Appl1
13	2885.5	90.0	516	5 US-10-501-671A-5	Sequence 5, Appl1
14	2881.5	87.1	516	5 US-10-501-671A-1	Sequence 1, Appl1
15	2789.5	87.1	497	4 US-10-298-796-4	Sequence 4, Appl1
16	1323	41.3	239	4 US-10-104-047-2759	Sequence 2759, Appl1
17	1323	41.3	239	4 US-11-072-512-2755	Sequence 2759, Appl1
18	1219	38.1	224	5 US-10-478-360-1	Sequence 1, Appl1
19	869	24.7	157	5 US-10-478-360-2	Sequence 2, Appl1
20	792.5	24.1	223	5 US-10-478-360-13	Sequence 13, Appl1
21	775.5	24.2	418	4 US-10-427-805-2	Sequence 2, Appl1
22	753	23.5	397	4 US-10-427-805-3	Sequence 3, Appl1
23	695	21.7	132	5 US-10-478-360-4	Sequence 4, Appl1
24	685	21.4	132	5 US-10-501-671A-7	Sequence 7, Appl1
25	681	21.3	132	5 US-10-501-671A-3	Sequence 3, Appl1
26	590.5	18.4	645	4 US-10-029-386-33151	Sequence 33151, Appl1
27	590.5	18.4	652	4 US-10-408-765A-1422	Sequence 1422, Appl1

28	590.5	18.4	652	5 US-10-741-600-1310	Sequence 1310, Appl1
29	590.5	18.4	652	5 US-10-741-600-1311	Sequence 1311, Appl1
30	590.5	18.4	652	5 US-10-820-155-1	Sequence 1, Appl1
31	590.5	18.4	652	5 US-10-820-155-79	Sequence 79, Appl1
32	588.5	18.4	652	3 US-09-789-919-96	Sequence 96, Appl1
33	587.5	18.3	648	5 US-10-461-862-116	Sequence 116, Appl1
34	587.5	18.3	648	5 US-10-461-862-118	Sequence 118, Appl1
35	587.5	18.3	652	4 US-10-021-660-83	Sequence 83, Appl1
36	587.5	18.3	652	4 US-10-211-462-131	Sequence 131, Appl1
37	587.5	18.3	652	5 US-10-820-155-82	Sequence 82, Appl1
38	587.5	18.3	652	5 US-10-820-155-117	Sequence 117, Appl1
39	587.5	18.3	652	5 US-10-821-234-1016	Sequence 1016, Appl1
40	578	18.0	467	4 US-10-210-172-176	Sequence 176, Appl1
41	578	18.0	757	3 US-09-918-715-177	Sequence 177, Appl1
42	578	18.0	757	3 US-09-918-715-196	Sequence 196, Appl1
43	578	18.0	757	4 US-10-262-445-107	Sequence 107, Appl1
44	578	18.0	757	4 US-10-712-124-102	Sequence 102, Appl1
45	578	18.0	757	4 US-10-474-794-177	Sequence 177, Appl1

ALIGNMENTS

RESULT 1
US-10-725-013-2
; Sequence 2, Application US/10725013
; Publication No. US20040198683A1
; GENERAL INFORMATION:
; APPLICANT: Sengal, Lakshman R.
; TITLE OF INVENTION: Ex vivo and in vivo expression of the chromomodulin gene
; TITLE OF INVENTION: For the treatment of cardiovascular and peripheral vascular dis
; FILE REFERENCE: 3840-005-27
; CURRENT APPLICATION NUMBER: US/10/725, 013
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/430, 099
; PRIOR FILING DATE: 2002-12-02
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-725-013-2

Query Match 100.0%; Score 3203; DB 4; Length 574;
Best Local Similarity 100.0%; Pred. No. 1.2e-209;
Matches 574; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MGVLVIGALALAGLGFPAAPBPQSGSCVHDCFLVGPATFLINASQICDGLRGLHM	60
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QY	61	TVASSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRRLGLPFGQVWTDNNTSYS	120
DB	1	TVASSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRRLGLPFGQVWTDNNTSYS	120
QY	121	RWARLDLNGAPLCGLPCVAVSAEATVPSPPIVEBOOCERYKADGFLCEFFPATCTCPPLAV	180
DB	121	RWARLDLNGAPLCGLPCVAVSAEATVPSPPIVEBOOCERYKADGFLCEFFPATCTCPPLAV	180
QY	61	TVASSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRRLGLPFGQVWTDNNTSYS	120
DB	61	TVASSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRRLGLPFGQVWTDNNTSYS	120
QY	181	EPGAANAASITGTGPFAAGADFOALPVGSSAAVAPLIGLQMLCTAPPGAVQGHMAREAP	240
DB	181	EPGAANAASITGTGPFAAGADFOALPVGSSAAVAPLIGLQMLCTAPPGAVQGHMAREAP	240
QY	241	GAWDCSVENGSCHEACNAIPGARPCCPAGAAQADGRSCTASTOSCNDCIHFVCPNPD	300
DB	241	GAWDCSVENGSCHEACNAIPGARPCCPAGAAQADGRSCTASTOSCNDCIHFVCPNPD	300
QY	301	QPGSYGCKETGYRLAADQRCEDVUDCTLEPSPCQRCVNTGSGFECHCYPRYDLDGE	360
DB	301	QPGSYGCKETGYRLAADQRCEDVUDCTLEPSPCQRCVNTGSGFECHCYPRYDLDGE	360

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QY 361 CVEPVDFCFRANCEYOCQPLNQTSTYLCVCAEGFAP1PHEBRCOMFCNQIACPADCDPNT 420
DB 361 CVEPVDFCFRANCEYOCQPLNQTSTYLCVCAEGFAP1PHEBRCOMFCNQIACPADCDPNT 420
QY 421 QASCECPREGYI1DDGFICTDIDECENGFCSCVCHNLPGTFECCI CGPDSALAH1GTDCC 480
DB 421 QASCECPREGYI1DDGFICTDIDECENGFCSCVCHNLPGTFECCI CGPDSALAH1GTDCC 480
QY 481 SGKVDGDSGSGSEPPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLRK 540
DB 481 SGKVDGDSGSGSEPPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLRK 540
QY 541 KQGAARAKMEYKCAAPSKVVLQHVTERTPORL 574
DB 541 KQGAARAKMEYKCAAPSKVVLQHVTERTPORL 574

RESULT 2
US-10-150-440-3
; Sequence 3, Application US/10150440
; Publication No. US2003002249A1
; GENERAL INFORMATION:
; APPLICANT: Schmitz, Juergen
; APPLICANT: Buck, David William
; APPLICANT: Dzidonek, Andrzej
; TITLE OF INVENTION: ANTIGEN-BINDING FRAGMENTS THAT RECOGNIZE
; FILE REFERENCE: 212302001200
; CURRENT APPLICATION NUMBER: US/10/150,440
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 09/714,712
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/291,561
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/197,205
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/196,824
; PRIOR FILING DATE: 2000-04-11
; PRIOR APPLICATION NUMBER: US 60/180,775
; PRIOR FILING DATE: 2000-02-07
; PRIOR APPLICATION NUMBER: US 60/179,003
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/167,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/165,555
; PRIOR FILING DATE: 1999-11-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FaacSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-150-440-3

Query Match 99.2%; Score 3176.5; DB 4; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
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DB 241 GAWDCSVENGSCCHACNA1PGARPCQCPAGAA1QADRSCTAS-TQSCNDLCEHFCVPPN 299
QY 300 DQGSYSCHCETGYRLAADOHRCEVDVDCILBSPCPQRCVNTQGGFECCHCPNYDLVNG 359
DB 301 DQGSYSCHCETGYRLAADOHRCEVDVDCILBSPCPQRCVNTQGGFECCHCPNYDLVNG 360
QY 360 ECVPEVDFCFRANCEYOCQPLNQTSTYLCVCAEGFAP1PHEBRCOMFCNQIACPADCDPNT 419
DB 361 ECVPEVDFCFRANCEYOCQPLNQTSTYLCVCAEGFAP1PHEBRCOMFCNQIACPADCDPNT 420
QY 420 TQASCECPREGYI1DDGFICTDIDECENGFCSCVCHNLPGTFECCI CGPDSALAH1GTDCC 479
DB 421 TQASCECPREGYI1DDGFICTDIDECENGFCSCVCHNLPGTFECCI CGPDSALAH1GTDCC 480
QY 480 DSGKVDGDSGSGSEPPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
DB 481 DSGKVDGDSGSGSEPPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540
QY 540 KQGAARAKMEYKCAAPSKVVLQHVTERTPORL 574
DB 541 KQGAARAKMEYKCAAPSKVVLQHVTERTPORL 574

RESULT 3
US-10-373-801-29
; Sequence 29, Application US/10373801
; Publication No. US2004000564A1
; GENERAL INFORMATION:
; APPLICANT: yibai Pharmaceutical (USA)
; TITLE OF INVENTION: Method and composition for detection and treatment of breast can-
; FILE REFERENCE: 12399.00
; CURRENT APPLICATION NUMBER: US/10/373,801
; CURRENT FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-373-801-29

Query Match 99.2%; Score 3176.5; DB 4; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
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Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCSGVCHNLPGTFECICGPPSALARHIGTDC 480
Qy 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540
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Db 541 KKGGAARAKMEYKCAAPSKKEVVLQHVRTERTPQRL 575

RESULT 4
US-10-712-124-110
; Sequence 110, Application US/10712124
; Publication No. US20040146907A1
; GENERAL INFORMATION:
; APPLICANT: SMITH, VICTORIA
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING DYSPLASIA
; FILE REFERENCE: P2000R1
; CURRENT APPLICATION NUMBER: US/10/712,124
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/425,813
; PRIOR FILING DATE: 2002-11-13
; NUMBER OF SEQ ID NOS: 123
; SEQ ID NO 110
; LENGTH: 575
; TYPE: PR1
; ORGANISM: Homo sapien
US-10-712-124-110

Query Match 99.2%; Score 3176.5; DB 4; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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Db 1 MGVLVGLALALAGLGPAPAEPOGSGQCEVHDCALYPGATFLNASQICDGLRGHLM 60
Qy 61 TYRSSVAADVISLLNGDGVGRRLMTIGLOLPFGGDKRIGLPGFQWVTGDNNTSYS 120
Db 61 TYRSSVAADVISLLNGDGVGRRLMTIGLOLPFGGDKRIGLPGFQWVTGDNNTSYS 120
Qy 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOQCEVKADGFLCEHFHPATCRPLAY 180
Db 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOQCEVKADGFLCEHFHPATCRPLAY 180
Qy 181 EFGAAAAVSIYGTGTPFAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMARBP 240
Db 181 EFGAAAAVSIYGTGTPFAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMARBP 240
Qy 241 GAMDCSVENGSGEHCNNAIPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVNP 299
Db 241 GAMDCSVENGSGEHCNNAIPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVNP 300
Qy 300 DPGSYSCMCTGYRLAADQHRCEVDVDCILBSPCPCQVCVNTOGGFECHCYPNYDLVNG 359
Db 301 DPGSYSCMCTGYRLAADQHRCEVDVDCILBSPCPCQVCVNTOGGFECHCYPNYDLVNG 360
Qy 360 ECTEVPDPCFRANCEYQCQPLNQTSTYLCVABGFAPRIPHEPHRCQMFNCNQTACPADCDPN 419
Db 361 ECTEVPDPCFRANCEYQCQPLNQTSTYLCVABGFAPRIPHEPHRCQMFNCNQTACPADCDPN 420
Qy 420 TQASCCEPBGYIILDDGFICTDIDECENGFGCSGVCHNLPGTFECICGPPSALARHIGTDC 479
Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCSGVCHNLPGTFECICGPPSALARHIGTDC 480
Qy 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540

Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540
Qy 540 KKGGAARAKMEYKCAAPSKKEVVLQHVRTERTPQRL 574
Db 541 KKGGAARAKMEYKCAAPSKKEVVLQHVRTERTPQRL 575

RESULT 5
US-10-785-156-2
; Sequence 2, Application US/10785156
; Publication No. US2005010612A1
; GENERAL INFORMATION:
; APPLICANT: Sehgal, Lakshman R.
; APPLICANT: Wong, Jonathan
; APPLICANT: Seth, Prem
; TITLE OF INVENTION: Therapeutic Applications of Thrombomodulin Gene Via Viral and
; FILE REFERENCE: Non-Viral Vectors
; FILE REFERENCE: 3840-006-27
; CURRENT APPLICATION NUMBER: US/10/785,156
; CURRENT FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: US 60/449,408
; PRIOR FILING DATE: 2003-02-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for windows version 4.0
; SEQ ID NO 2
; LENGTH: 575
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-785-156-2

Query Match 99.2%; Score 3176.5; DB 5; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Qy 1 MGVLVGLALALAGLGPAPAEPOGSGQCEVHDCALYPGATFLNASQICDGLRGHLM 60
Db 1 MGVLVGLALALAGLGPAPAEPOGSGQCEVHDCALYPGATFLNASQICDGLRGHLM 60
Qy 61 TYRSSVAADVISLLNGDGVGRRLMTIGLOLPFGGDKRIGLPGFQWVTGDNNTSYS 120
Db 61 TYRSSVAADVISLLNGDGVGRRLMTIGLOLPFGGDKRIGLPGFQWVTGDNNTSYS 120
Qy 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOQCEVKADGFLCEHFHPATCRPLAY 180
Db 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOQCEVKADGFLCEHFHPATCRPLAY 180
Qy 181 EFGAAAAVSIYGTGTPFAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMARBP 240
Db 181 EFGAAAAVSIYGTGTPFAARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMARBP 240
Qy 241 GAMDCSVENGSGEHCNNAIPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVNP 299
Db 241 GAMDCSVENGSGEHCNNAIPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVNP 300
Qy 300 DPGSYSCMCTGYRLAADQHRCEVDVDCILBSPCPCQVCVNTOGGFECHCYPNYDLVNG 359
Db 301 DPGSYSCMCTGYRLAADQHRCEVDVDCILBSPCPCQVCVNTOGGFECHCYPNYDLVNG 360
Qy 360 ECTEVPDPCFRANCEYQCQPLNQTSTYLCVABGFAPRIPHEPHRCQMFNCNQTACPADCDPN 419
Db 361 ECTEVPDPCFRANCEYQCQPLNQTSTYLCVABGFAPRIPHEPHRCQMFNCNQTACPADCDPN 420
Qy 420 TQASCCEPBGYIILDDGFICTDIDECENGFGCSGVCHNLPGTFECICGPPSALARHIGTDC 479
Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCSGVCHNLPGTFECICGPPSALARHIGTDC 480
Qy 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540
Qy 540 KKGGAARAKMEYKCAAPSKKEVVLQHVRTERTPQRL 574
Db 541 KKGGAARAKMEYKCAAPSKKEVVLQHVRTERTPQRL 575

```

RESULT 6
US-10-150-440-1
; Sequence 1, Application US/10150440
; Publication No. US20030022249A1
; GENERAL INFORMATION:
; APPLICANT: Schmitz, Juergen
; APPLICANT: Dzionek, Andrzej
; APPLICANT: Buck, David William
; TITLE OF INVENTION: ANTIGEN-BINDING FRAGMENTS THAT RECOGNIZE
; FILE REFERENCE: 212302001200
; CURRENT APPLICATION NUMBER: US/10/150,440
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 09/714,712
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/291,561
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/197,205
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/196,824
; PRIOR FILING DATE: 2000-04-11
; PRIOR APPLICATION NUMBER: US 60/180,775
; PRIOR FILING DATE: 2000-02-07
; PRIOR APPLICATION NUMBER: US 60/179,003
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/167,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/165,555
; PRIOR FILING DATE: 1999-11-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-150-440-1

Query Match      99.2%; Score 3176.5; DB 4; Length 631;
Best Local Similarity 99.5%; Pred. No. 8.3e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVLAGLALAGLPAPAPBPQPGSGQCVHDCFLYRGATFLNLSQICDGLRGHLM 60
DB 57 MGVLVLAGLALAGLPAPAPBPQPGSGQCVHDCFLYRGATFLNLSQICDGLRGHLM 116
QY 61 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFQMTGDNNTSYS 120
DB 117 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFQMTGDNNTSYS 176
QY 121 RVARLDLNGAPLPGPLCVASAATVPSEPIWEBOQCEVKADGFLCEHFPAICRPLAV 180
DB 177 RVARLDLNGAPLPGPLCVASAATVPSEPIWEBOQCEVKADGFLCEHFPAICRPLAV 236
QY 181 EPGAAAAVSIITYGTFFARAGDFQALPVSSAAVAAPLGLQMLCTAPPGAOGHMAAREAP 240
DB 237 EPGAAAAVSIITYGTFFARAGDFQALPVSSAAVAAPLGLQMLCTAPPGAOGHMAAREAP 296
QY 241 GAWDCSVENGGEHACNAIPGARPCCPAGALQADGRSCTAS-TOSCNDLCEHFCVPM 299
DB 297 GAWDCSVENGGEHACNAIPGARPCCPAGALQADGRSCTAS-TOSCNDLCEHFCVPM 356
QY 300 DPGSYSQMCETGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECGYPNYDLVDG 359
DB 357 DPGSYSQMCETGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECGYPNYDLVDG 416
QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 419
DB 417 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 476
QY 420 TQASCCEPGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHIGTDC 479
DB 479 TQASCCEPGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHIGTDC 536

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DB 477 TQASCCEPGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHIGTDC 536
QY 480 DSGKVDGSDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALCHLR 539
DB 537 DSGKVDGSDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALCHLR 596
QY 540 KKQGAARAMEYKCAAPSKVVLQHVTRTERPQRL 574
DB 597 KKQGAARAMEYKCAAPSKVVLQHVTRTERPQRL 631

RESULT 7
US-10-741-601-309
; Sequence 309, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 309
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-309

Query Match      99.2%; Score 3176.5; DB 4; Length 631;
Best Local Similarity 99.5%; Pred. No. 8.3e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVLAGLALAGLPAPAPBPQPGSGQCVHDCFLYRGATFLNLSQICDGLRGHLM 60
DB 57 MGVLVLAGLALAGLPAPAPBPQPGSGQCVHDCFLYRGATFLNLSQICDGLRGHLM 116
QY 61 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFQMTGDNNTSYS 120
DB 117 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFQMTGDNNTSYS 176
QY 121 RVARLDLNGAPLPGPLCVASAATVPSEPIWEBOQCEVKADGFLCEHFPAICRPLAV 180
DB 177 RVARLDLNGAPLPGPLCVASAATVPSEPIWEBOQCEVKADGFLCEHFPAICRPLAV 236
QY 181 EPGAAAAVSIITYGTFFARAGDFQALPVSSAAVAAPLGLQMLCTAPPGAOGHMAAREAP 240
DB 237 EPGAAAAVSIITYGTFFARAGDFQALPVSSAAVAAPLGLQMLCTAPPGAOGHMAAREAP 296
QY 241 GAWDCSVENGGEHACNAIPGARPCCPAGALQADGRSCTAS-TOSCNDLCEHFCVPM 299
DB 297 GAWDCSVENGGEHACNAIPGARPCCPAGALQADGRSCTAS-TOSCNDLCEHFCVPM 356
QY 300 DPGSYSQMCETGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECGYPNYDLVDG 359
DB 357 DPGSYSQMCETGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECGYPNYDLVDG 416
QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 419
DB 417 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 476
QY 420 TQASCCEPGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHIGTDC 479
DB 477 TQASCCEPGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHIGTDC 536
QY 480 DSGKVDGSDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALCHLR 539
DB 537 DSGKVDGSDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALCHLR 596
QY 540 KKQGAARAMEYKCAAPSKVVLQHVTRTERPQRL 574
DB 597 KKQGAARAMEYKCAAPSKVVLQHVTRTERPQRL 631

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RESULT 8

US-10-995-561-546
 ; Sequence 546, Application US/10995561
 ; Publication No. US20050272054A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CARGILL, Michele et al.
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001559
 ; CURRENT APPLICATION NUMBER: US/10/995,561
 ; CURRENT FILING DATE: 2004-11-24
 ; NUMBER OF SEQ. ID NOS: 85702
 ; SOFTWARE: PatSeq for Windows Version 4.0
 ; SEQ ID NO 546
 ; LENGTH: 631
 ; TYPE: PR
 ; ORGANISM: Homo sapiens
 US-10-995-561-546

Query Match 99.2%; Score 3176.5; DB 5; Length 631;
 Best Local Similarity 99.5%; Pred. No. 8.3e-208;
 Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

1 MGVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLRGLHM 60
 57 MGVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLRGLHM 116
 61 TVRSSVAADVISLLINGDGVGRRRLMIGQLPPGCGDPRUGLPGFQWVTGDNNTSYS 120
 117 TVRSSVAADVISLLINGDGVGRRRLMIGQLPPGCGDPRUGLPGFQWVTGDNNTSYS 176
 121 RWRRLDNLGAPLCGPLCVASAATAVPSSEPIWEEOQCEVKADGFLCEHFHPATCRPLAY 180
 177 RWRRLDNLGAPLCGPLCVASAATAVPSSEPIWEEOQCEVKADGFLCEHFHPATCRPLAY 236
 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGLQMLCTAPPGAOGHMAAREAP 240
 237 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGLQMLCTAPPGAOGHMAAREAP 296
 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 299
 297 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTASNDLCHEFCVNP 356
 300 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359
 357 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 416
 360 ECEVPDPCFRANCERYOCPLNNTSYLVCABGFAPRPHRPHCOMFCNOTACPADCPN 419
 417 ECEVPDPCFRANCERYOCPLNNTSYLVCABGFAPRPHRPHCOMFCNOTACPADCPN 476
 420 TQASCECPBGYILLDDFICTDIDECENGFCGVCNHLPGTFECICGPDALRH1GTDG 479
 477 TQASCECPBGYILLDDFICTDIDECENGFCGVCNHLPGTFECICGPDALRH1GTDG 536
 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSLIGISIASLCLVALLALALCHLR 539
 537 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSLIGISIASLCLVALLALALCHLR 596
 540 KQGAARAMEYKCAAPSKREVTLQHVTERTEPRL 574
 597 KQGAARAMEYKCAAPSKREVTLQHVTERTEPRL 631

RESULT 9

US-09-938-405-2
 ; Sequence 2, Application US/09938405
 ; Patent No. US20020111296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Festeoff, Barry W.

APPLICANT: Morser, Michael J.
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Use in Recovery of Spinal Cord Injury
 ; FILE REFERENCE: 51960AUSM1
 ; CURRENT APPLICATION NUMBER: US/09/938,405
 ; CURRENT FILING DATE: 2001-08-23
 ; PRIOR APPLICATION NUMBER: 60/229,714
 ; PRIOR FILING DATE: 2000-08-31
 ; NUMBER OF SEQ. ID NOS: 2
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 2
 ; LENGTH: 575
 ; TYPE: PR
 ; ORGANISM: Homo sapiens
 US-09-938-405-2

Query Match 99.0%; Score 3172.5; DB 3; Length 575;
 Best Local Similarity 99.3%; Pred. No. 1.4e-207;
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

1 MGVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLRGLHM 60
 1 MGVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLRGLHM 60
 61 TVRSSVAADVISLLINGDGVGRRRLMIGQLPPGCGDPRUGLPGFQWVTGDNNTSYS 120
 61 TVRSSVAADVISLLINGDGVGRRRLMIGQLPPGCGDPRUGLPGFQWVTGDNNTSYS 120
 121 RWRRLDNLGAPLCGPLCVASAATAVPSSEPIWEEOQCEVKADGFLCEHFHPATCRPLAY 180
 121 RWRRLDNLGAPLCGPLCVASAATAVPSSEPIWEEOQCEVKADGFLCEHFHPATCRPLAY 180
 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGLQMLCTAPPGAOGHMAAREAP 240
 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGLQMLCTAPPGAOGHMAAREAP 240
 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 299
 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTASNDLCHEFCVNP 300
 300 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359
 301 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 360
 360 ECEVPDPCFRANCERYOCPLNNTSYLVCABGFAPRPHRPHCOMFCNOTACPADCPN 419
 361 ECEVPDPCFRANCERYOCPLNNTSYLVCABGFAPRPHRPHCOMFCNOTACPADCPN 420
 420 TQASCECPBGYILLDDFICTDIDECENGFCGVCNHLPGTFECICGPDALRH1GTDG 479
 421 TQASCECPBGYILLDDFICTDIDECENGFCGVCNHLPGTFECICGPDALRH1GTDG 480
 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSLIGISIASLCLVALLALALCHLR 539
 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSLIGISIASLCLVALLALALCHLR 540
 540 KQGAARAMEYKCAAPSKREVTLQHVTERTEPRL 574
 541 KQGAARAMEYKCAAPSKREVTLQHVTERTEPRL 575

RESULT 10

US-10-438-648-2
 ; Sequence 2, Application US/10438648
 ; Publication No. US20030186863A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Light, David
 ; APPLICANT: Nagashima, Mariko
 ; APPLICANT: Morser, Michael J
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use
 ; FILE REFERENCE: 51863AUSD1
 ; CURRENT APPLICATION NUMBER: US/10/438,648
 ; CURRENT FILING DATE: 2003-05-14
 ; PRIOR APPLICATION NUMBER: US 60/213,678

; PRIOR FILING DATE: 2000-06-21
 ; PRIOR APPLICATION NUMBER: US 09/880,484
 ; PRIOR FILING DATE: 2001-06-12
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 2
 ; LENGTH: 575
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-438-648-2

Query Match 99.0%; Score 3172.5; DB 4; Length 575;
 Best Local Similarity 99.3%; Pred. No. 1.4e-207;
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVLVTLGALALAGLGFPAAPAEPOPGSGQCVHDCFPALYPGATPFLNASQICDGLRGHLM 60
    |||
DB 1 MGVLVTLGALALAGLGFPAAPAEPOPGSGQCVHDCFPALYPGATPFLNASQICDGLRGHLM 60

QY 61 TVRSSVAADVITSLNLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFMVTGDNNTSYS 120
    |||
DB 61 TVRSSVAADVITSLNLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFMVTGDNNTSYS 120

QY 121 RMARLDLNGAPLPGPLCVASAATAVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
    |||
DB 121 RMARLDLNGAPLPGPLCVASAATAVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180

QY 181 EPGAAANAASITTYGTPFAARGADFOALPVGSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
    |||
DB 181 EPGAAANAASITTYGTPFAARGADFOALPVGSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240

QY 241 GAMDGVENGCGEHCNATPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
    |||
DB 241 GAMDGVENGCGEHCNATPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299

QY 300 DPGSYSQCMCTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 359
    |||
DB 301 DPGSYSQCMCTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 360

QY 360 ECEVPDPFCFRANCEYQCCPLNQTSTYLCVCAEGFAPRPHBPRCQMFQNTACPADCDN 419
    |||
DB 361 ECEVPDPFCFRANCEYQCCPLNQTSTYLCVCAEGFAPRPHBPRCQMFQNTACPADCDN 420

QY 420 TQASCECPBGYIILDDGFICTDIDECENGFCSGVCHNLPGTFECTICGPDALVRHIGTDC 479
    |||
DB 421 TQASCECPBGYIILDDGFICTDIDECENGFCSGVCHNLPGTFECTICGPDALVRHIGTDC 480

QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
    |||
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540

QY 540 KKGAARAKMEYKCAAPSKENVLQHVTERTPQRL 574
    |||
DB 541 KKGAARAKMEYKCAAPSKENVLQHVTERTPQRL 575
  
```

RESULT 11

; Sequence 2, Application US/10410195
 ; Publication No. US20040002446A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Festoff, Barry W.
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Use in Recovery of Spinal Cord Injury
 ; FILE REFERENCE: 51960AUSM1
 ; CURRENT APPLICATION NUMBER: US/10/410,195
 ; PRIOR FILING DATE: 2003-04-10
 ; PRIOR APPLICATION NUMBER: US/09/938,405
 ; PRIOR FILING DATE: 2001-08-23
 ; PRIOR APPLICATION NUMBER: 60/229,714
 ; PRIOR FILING DATE: 2000-08-31
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2
 ; LENGTH: 575
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-410-195-2

Query Match 99.0%; Score 3172.5; DB 4; Length 575;
 Best Local Similarity 99.3%; Pred. No. 1.4e-207;
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVLVTLGALALAGLGFPAAPAEPOPGSGQCVHDCFPALYPGATPFLNASQICDGLRGHLM 60
    |||
DB 1 MGVLVTLGALALAGLGFPAAPAEPOPGSGQCVHDCFPALYPGATPFLNASQICDGLRGHLM 60

QY 61 TVRSSVAADVITSLNLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFMVTGDNNTSYS 120
    |||
DB 61 TVRSSVAADVITSLNLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFMVTGDNNTSYS 120

QY 121 RMARLDLNGAPLPGPLCVASAATAVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
    |||
DB 121 RMARLDLNGAPLPGPLCVASAATAVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180

QY 181 EPGAAANAASITTYGTPFAARGADFOALPVGSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
    |||
DB 181 EPGAAANAASITTYGTPFAARGADFOALPVGSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240

QY 241 GAMDGVENGCGEHCNATPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
    |||
DB 241 GAMDGVENGCGEHCNATPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299

QY 300 DPGSYSQCMCTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 359
    |||
DB 301 DPGSYSQCMCTGYRLAADQHRCEVDVDCILBSPPCQRCVNTQGGFECHCYPNYDLVDG 360

QY 360 ECEVPDPFCFRANCEYQCCPLNQTSTYLCVCAEGFAPRPHBPRCQMFQNTACPADCDN 419
    |||
DB 361 ECEVPDPFCFRANCEYQCCPLNQTSTYLCVCAEGFAPRPHBPRCQMFQNTACPADCDN 420

QY 420 TQASCECPBGYIILDDGFICTDIDECENGFCSGVCHNLPGTFECTICGPDALVRHIGTDC 479
    |||
DB 421 TQASCECPBGYIILDDGFICTDIDECENGFCSGVCHNLPGTFECTICGPDALVRHIGTDC 480

QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
    |||
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540

QY 540 KKGAARAKMEYKCAAPSKENVLQHVTERTPQRL 574
    |||
DB 541 KKGAARAKMEYKCAAPSKENVLQHVTERTPQRL 575
  
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RESULT 12

; Sequence 196, Application US/10094886
 ; Publication No. US20040002120A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kekuda, Ramesh
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Liu, Xiezhong
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Fatuturajan, Meera
 ; APPLICANT: Burgess, Catherine
 ; APPLICANT: Vernet, Corinne A.
 ; APPLICANT: Li, Li
 ; APPLICANT: Gorman, Linda
 ; APPLICANT: Malyanekar, Uriel M.
 ; APPLICANT: Boldog, Ferenc
 ; APPLICANT: Guo, Xiaojia
 ; APPLICANT: Shenoy, Suresh
 ; APPLICANT: Padigar, Muralidhara
 ; APPLICANT: Taupier, Raymond J., Jr.
 ; APPLICANT: Miller, Charles
 ; APPLICANT: Casman, Stacie

APPLICANT: Pena, Carol
APPLICANT: Gangolli, Beha
APPLICANT: Gusev, Vladimir
APPLICANT: Smithson, Glenda
APPLICANT: Zernusen, Bryan
APPLICANT: Gerlach, Valerie
APPLICANT: Pochart, Pascal
APPLICANT: Fernandes, Elma
APPLICANT: Shinkets, Richard
APPLICANT: Rastelli, Luca
APPLICANT: Spaderna, Steven
APPLICANT: Larocheille, William
APPLICANT: Zhong, Mei
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-290 B
CURRENT APPLICATION NUMBER: US/10/094,886
CURRENT FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: 60/274,322
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: 60/313,182
PRIOR FILING DATE: 2001-08-17
PRIOR APPLICATION NUMBER: 60/288,052
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/318,510
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 60/274,281
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: 60/314,018
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: 60/274,194
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: 60/274,849
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/296,693
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 60/313,626
PRIOR FILING DATE: 2001-08-21
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 298
SOFTWARE: Patentin 2.1
SEQ ID NO: 196
LENGTH: 575
TYPE: PRT
ORGANISM: Homo sapiens
US-10-094-886-196

Query Match 98.6%; Score 3159.5; DB 4; Length 575;
Best Local Similarity 99.0%; Pred. No. 1.1e-206;
Matches 569; Conservative 0; Mismatches 5; Indels 1; Gaps 1;
QY 1 MGVLVIGLALAGLGFPAAPBPQSGSCVHDCFALYRGPATFLNASQICDGLRGHLM 60
DB 1 MGVLVIGLALAGLGFPAAPBPQSGSCVHDCFALYRGPATFLNASQICDGLRGHLM 60
QY 61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPQCGDPRKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPQCGDPRKRLGRLGFQMTGDNNTSYS 120
QY 121 RVARLDLNGAPLGGPLCAVAASAETVPSEPIWEEQCEVKADGFLCEHFPAATCRPLAV 180
DB 121 RVARLDLNGAPLGGPLCAVAASAETVPSEPIWEEQCEVKADGFLCEHFPAATCRPLAV 180
QY 181 EPGAAAVASTYGGPFAARGADFOALPVGSSAAVAAPLGLQMLCTAPPAVVGHWAREAP 240
DB 181 EPGAAAVASTYGGPFAARGADFOALPVGSSAAVAAPLGLQMLCTAPPAVVGHWAREAP 240
QY 241 GAMDSVENGGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPP 299
DB 241 GAMDSVENGGCEHACNAIPGARPCQCPAGALQADGRSCTASATQSCNDLCEHFCVPP 300
QY 300 DPGSGYCMCEGTGYRLAADQHRCEVDVDCILBSPCPQRCVNTQGGFEGHCYPNYDLVDG 359
DB 301 DPGSGYCMCEGTGYRLAADQHRCEVDVDCILBSPCPQRCVNTQGGFEGHCYPNYDLVDG 360

QY 360 ECVPEVDPGCFRANCERYCOPLNQTSTYLCVCAEGFAPIPHEPRRCQMFNCQTACPADCDPR 419
DB 361 ECVPEVDPGCFRANCERYCOPLNQTSTYLCVCAEGFAPIPHEPRRCQMFNCQTACPADCDPR 420
QY 420 TQASCEBPBGYLLDDGFICTDIDECENGFGSGVCHNLBGTRECIQGPSALARIHGTDC 479
DB 421 TQASCEBPBGYLLDDGFICTDIDECENGFGSGVCHNLBGTRECIQGPSALARIHGTDC 480
QY 480 DSGKVDGSGSGGEPSPSTPSTLTPPAVGLVHSGLLIGISTASLCYVALLALCHLR 539
DB 481 DSGKVDGSGSGGEPSPSTPSTLTPPAVGLVHSGLLIGISTASLCYVALLALCHLR 540
QY 540 KKQGAARAKRYKCAAPSEVYLQHYRTERPQRL 574
DB 541 KKQGAARAKRYKCAAPSEVYLQHYRTERPQRL 575

RESULT 13

US-10-501-671A-5
Sequence 5, Application US/10501671A
Publication No. US20060083733A1
GENERAL INFORMATION:
APPLICANT: NISHIO, FUMIHIDE
TITLE OF INVENTION: HIGH-CONCENTRATION PREPARATION OF SOLUBLE
FILE REFERENCE: 8062-1023
CURRENT APPLICATION NUMBER: US/10/501,671A
CURRENT FILING DATE: 2004-07-16
PRIOR APPLICATION NUMBER: PCT/JPO3/00339
PRIOR FILING DATE: 2003-01-17
PRIOR APPLICATION NUMBER: JP2002-9951
PRIOR FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO: 516
LENGTH: 516
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Partial amino
OTHER INFORMATION: acid sequence of human-originated soluble
US-10-501-671A-5

Query Match 90.1%; Score 2885.5; DB 5; Length 516;
Best Local Similarity 99.4%; Pred. No. 4.3e-188;
Matches 513; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
QY 1 MGVLVIGLALAGLGFPAAPBPQSGSCVHDCFALYRGPATFLNASQICDGLRGHLM 60
DB 1 MGVLVIGLALAGLGFPAAPBPQSGSCVHDCFALYRGPATFLNASQICDGLRGHLM 60
QY 61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPQCGDPRKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPQCGDPRKRLGRLGFQMTGDNNTSYS 120
QY 121 RVARLDLNGAPLGGPLCAVAASAETVPSEPIWEEQCEVKADGFLCEHFPAATCRPLAV 180
DB 121 RVARLDLNGAPLGGPLCAVAASAETVPSEPIWEEQCEVKADGFLCEHFPAATCRPLAV 180
QY 181 EPGAAAVASTYGGPFAARGADFOALPVGSSAAVAAPLGLQMLCTAPPAVVGHWAREAP 240
DB 181 EPGAAAVASTYGGPFAARGADFOALPVGSSAAVAAPLGLQMLCTAPPAVVGHWAREAP 240
QY 241 GAMDSVENGGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPP 299
DB 241 GAMDSVENGGCEHACNAIPGARPCQCPAGALQADGRSCTASATQSCNDLCEHFCVPP 300
QY 300 DPGSGYCMCEGTGYRLAADQHRCEVDVDCILBSPCPQRCVNTQGGFEGHCYPNYDLVDG 359
DB 301 DPGSGYCMCEGTGYRLAADQHRCEVDVDCILBSPCPQRCVNTQGGFEGHCYPNYDLVDG 360

QY 360 ECVEPVDPGCFRANCEYQCCPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDN 419
DB 361 ECVEPVDPGCFRANCEYQCCPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDN 420
QY 420 TQASCECEGYYLLDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDC 479
DB 421 TQASCECEGYYLLDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDC 480
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 515
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 516

RESULT 14
US-10-501-671A-1
/ Sequence 1, Application US/10501671A
/ Publication No. US2006008373A1
/ GENERAL INFORMATION:
/ APPLICANT: NISHIO, FUMIHIDE
/ TITLE OF INVENTION: HIGH-CONCENTRATION PREPARATION OF SOLUBLE
/ TITLE OF INVENTION: THROMBOMODULIN
/ FILE REFERENCE: 8062-1023
/ CURRENT APPLICATION NUMBER: US/10/501, 671A
/ CURRENT FILING DATE: 2004-07-16
/ PRIOR APPLICATION NUMBER: PCT/JP03/00339
/ PRIOR FILING DATE: 2003-01-17
/ PRIOR APPLICATION NUMBER: JP2002-9951
/ PRIOR FILING DATE: 2002-01-18
/ SOFTWARE: Patentin Ver. 3.3
/ NUMBER OF SEQ ID NOS: 9
/ LENGTH: 516
/ SEQ ID NO 1
/ TYPE: PRF
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Partial amino
/ OTHER INFORMATION: acid sequence of human-originated soluble
/ OTHER INFORMATION: thrombomodulin
US-10-501-671A-1

Query Match 90.0%; Score 2881.5; DB 5; Length 516;
Best Local Similarity 99.2%; Pred. No. 8.1e-188;
Matches 512; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MGVLVGLALALAGLPAPAPBPQSGSCVHDCFPALYGPATFLNASQICGLRGLHM 60
DB 1 MGVLVGLALALAGLPAPAPBPQSGSCVHDCFPALYGPATFLNASQICGLRGLHM 60
QY 61 TYRSSVAADVITSLILNGDGVGRRLMTGLQLPFGCGDPRKRLGRLGFQWVTGDNNTSYS 120
DB 61 TYRSSVAADVITSLILNGDGVGRRLMTGLQLPFGCGDPRKRLGRLGFQWVTGDNNTSYS 120
QY 121 RVARLDLNGAPLCGPLCVAVSAEAATVPSEPIWEBOCEYKADGFLCEHFPAATCRPLAY 180
DB 121 RVARLDLNGAPLCGPLCVAVSAEAATVPSEPIWEBOCEYKADGFLCEHFPAATCRPLAY 180
QY 181 EGGAAAAVSIITGTGFPARAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMAREAP 240
DB 181 EGGAAAAVSIITGTGFPARAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMAREAP 240
QY 241 GAMDCEVENGGCEHACNAIPGARPCCPAGAAQAQGRSCTAS-TQSCNDLCEHFCVNP 299
DB 241 GAMDCEVENGGCEHACNAIPGARPCCPAGAAQAQGRSCTAS-TQSCNDLCEHFCVNP 299
QY 300 DQGSYSNCMETGYRLAADQHRCEVDVDCILEPSPCPCVNTQGGFECCHYNYDLVDG 359
DB 301 DQGSYSNCMETGYRLAADQHRCEVDVDCILEPSPCPCVNTQGGFECCHYNYDLVDG 360
QY 360 ECVEPVDPGCFRANCEYQCCPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDN 419
DB 361 ECVEPVDPGCFRANCEYQCCPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDN 420
QY 420 TQASCECEGYYLLDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDC 479

DB 421 TQASCECEGYYLLDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDC 480
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 515
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 516

RESULT 15
US-10-298-796-4
/ Sequence 4, Application US/10298796
/ Publication No. US20030220490A1
/ GENERAL INFORMATION:
/ APPLICANT: KURIYAMA, Shinichi
/ APPLICANT: HASEGAWA, Takashi
/ TITLE OF INVENTION: CELL MEMBRANE DIRECTED DRUGS
/ FILE REFERENCE: 1110-253P
/ CURRENT APPLICATION NUMBER: US/10/298, 796
/ CURRENT FILING DATE: 2002-11-19
/ PRIOR APPLICATION NUMBER: US/09/331, 793
/ PRIOR FILING DATE: 1999-06-25
/ NUMBER OF SEQ ID NOS: 67
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 4
/ LENGTH: 497
/ TYPE: PRF
/ ORGANISM: Homo Sapiens
US-10-298-796-4

Query Match 87.1%; Score 2789.5; DB 4; Length 497;
Best Local Similarity 99.2%; Pred. No. 1.4e-181;
Matches 493; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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DB 1 APAPBPQSGSCVHDCFPALYGPATFLNASQICGLRGLHMTVRSVAADVISLLIND 78
QY 79 GGVRRRLMTGLQLPFGCGDPRKRLGRLGFQWVTGDNNTSYSRVARLDLNGAPLCPLCV 138
DB 79 GGVRRRLMTGLQLPFGCGDPRKRLGRLGFQWVTGDNNTSYSRVARLDLNGAPLCPLCV 120
QY 139 AVSAEAATVPSEPIWEBOCEYKADGFLCEHFPAATCRPLAYEPGAAAAVSIITGTTPA 198
DB 139 AVSAEAATVPSEPIWEBOCEYKADGFLCEHFPAATCRPLAYEPGAAAAVSIITGTTPA 180
QY 199 ARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMAREAPGAMDCEVENGGCEHACNA 258
DB 199 ARGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOGHMAREAPGAMDCEVENGGCEHACNA 240
QY 259 IEGARPCCCPAGAAQAQGRSCTAS-TQSCNDLCEHFCVNPDPQGSYSNCMETGYRLAA 317
DB 259 IEGARPCCCPAGAAQAQGRSCTAS-TQSCNDLCEHFCVNPDPQGSYSNCMETGYRLAA 300
QY 318 DQHRCEVDVDCILEPSPCPCVNTQGGFECCHYNYDLVDGECVBPVPCFRANCEYQC 377
DB 301 DQHRCEVDVDCILEPSPCPCVNTQGGFECCHYNYDLVDGECVBPVPCFRANCEYQC 360
QY 378 QPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDPNTQASCECEGYYLLDDGFI 437
DB 361 QPLNQTSTYLCVCAEGFAP1PHEPRQMFNCQTACPADCDPNTQASCECEGYYLLDDGFI 420
QY 438 CTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDCDSGKVDGDSGSGEPSP 497
DB 421 CTDIDECENGFCGSGVCHNLPGTFECICGPDALARIHGTDCDSGKVDGDSGSGEPSP 480
QY 498 PTFGSTLTPPAVGLVHSG 514
DB 481 PTFGSTLTPPAVGLVHSG 497

Search completed: May 18, 2006, 16:50:43
Job time : 82 secs

GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 18, 2006, 16:49:33 ; Search time 6 Seconds
(without alignments)
204.355 Million cell updates/sec

Title: US-10-725-013-2
Perfect score: 3203
Sequence: 1 MGVVLGALALAGLGFAP... APSKVLQHVTRTPQL 574

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 21570 seqs, 2136119 residues

Total number of hits satisfying chosen parameters: 21570

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 10%
Listing first 45 summaries

Database : Published Applications AA New:
1: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US09_NEM_PUB pep: *
2: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US06_NEM_PUB pep: *
3: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US07_NEM_PUB pep: *
4: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US08_NEM_PUB pep: *
5: /EMC Celerra_SIDS3/ptodata/1/pubpaa/PCT_NEM_PUB pep: *
6: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US10_NEM_PUB pep: *
7: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US11_NEM_PUB pep: *
8: /EMC Celerra_SIDS3/ptodata/1/pubpaa/US60_NEM_PUB pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3176.5	99.2	575	US-10-511-937-2625	Sequence 2625, App
2	308	9.6	1821	US-10-505-928-451	Sequence 451, App
3	303.5	9.5	448	US-10-196-749-408	Sequence 408, App
4	303.5	9.5	448	US-11-267-942-5	Sequence 5, App1
5	295	9.2	493	US-10-505-928-676	Sequence 676, App
6	295	9.2	493	US-11-267-942-2	Sequence 2, App1
7	289	9.0	493	US-11-267-942-4	Sequence 4, App1
8	275	8.6	493	US-11-267-942-3	Sequence 3, App1
9	265	8.3	509	US-10-196-749-52	Sequence 52, App1
10	244	7.6	737	US-10-196-749-38	Sequence 38, App1
11	238	7.4	1247	US-10-505-928-371	Sequence 371, App
12	205.5	6.4	5738	US-10-505-928-150	Sequence 150, App
13	197	6.2	1523	US-10-196-749-290	Sequence 290, App
14	179	5.6	2026	US-10-505-928-831	Sequence 831, App
15	168.5	5.3	4590	US-10-505-928-561	Sequence 561, App
16	165.5	5.2	545	US-10-196-749-328	Sequence 328, App
17	165.5	5.2	545	US-11-101-316-110	Sequence 110, App
18	152.5	4.8	830	US-10-505-928-469	Sequence 469, App
19	150.5	4.7	1193	US-10-505-928-537	Sequence 537, App
20	147	4.6	464	US-10-505-928-757	Sequence 757, App
21	138.5	4.3	799	US-10-505-928-716	Sequence 716, App
22	138	4.3	969	US-10-505-928-584	Sequence 94, App1
23	136	4.2	610	US-10-505-928-580	Sequence 580, App
24	135.5	4.2	1743	US-10-196-749-451	Sequence 451, App
25	134	4.2	567	US-11-246-999-50	Sequence 50, App1

26	133	4.2	494	7	US-11-246-999-30	Sequence 30, App1
27	132	4.1	4440	6	US-10-196-749-525	Sequence 525, App
28	131.5	4.1	469	7	US-11-246-999-41	Sequence 41, App1
29	131.5	4.1	735	6	US-10-196-749-88	Sequence 88, App1
30	128	4.0	1200	6	US-10-196-749-269	Sequence 269, App
31	127.5	4.0	813	6	US-10-196-749-466	Sequence 466, App
32	126.5	3.9	1894	6	US-10-196-749-97	Sequence 97, App1
33	124.5	3.9	1822	6	US-10-505-928-700	Sequence 700, App
34	123.5	3.9	837	6	US-10-196-749-352	Sequence 352, App
35	121.5	3.8	798	6	US-10-511-937-2445	Sequence 2445, App
36	119.5	3.7	734	7	US-11-238-282-19	Sequence 19, App1
37	118.5	3.7	260	6	US-10-511-937-2519	Sequence 2519, App
38	117	3.7	440	7	US-11-254-183-49	Sequence 49, App1
39	116.5	3.6	495	6	US-10-511-814-5	Sequence 5, App1
40	116.5	3.6	1435	6	US-10-196-749-581	Sequence 581, App
41	116	3.6	290	7	US-11-254-185-42	Sequence 42, App1
42	115	3.6	713	6	US-10-196-749-416	Sequence 416, App
43	113	3.5	855	7	US-11-254-185-2	Sequence 2, App1
44	112	3.5	175	6	US-10-196-749-424	Sequence 424, App
45	111	3.5	809	7	US-11-318-939-9	Sequence 9, App1

ALIGNMENTS

RESULT 1									
US-10-511-937-2625									
Sequence 2625, Application US/10511937									
Publication No. US20060088636A1									
GENERAL INFORMATION:									
APPLICANT: EXPRESSION DIAGNOSTICS, INC.									
APPLICANT: Wohlgemuth, Jay									
APPLICANT: Fry, Kirk									
APPLICANT: Woodward, Robert									
APPLICANT: Ly, Ngoc									
APPLICANT: Prentice, James									
APPLICANT: Morris, Macdonald									
APPLICANT: Rosenberg, Steven									
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING									
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION									
FILE REFERENCE: 506612000104									
CURRENT FILING DATE: US/10/511,937									
CURRENT FILING DATE: 2004-10-19									
PRIOR APPLICATION NUMBER: PCT/US2003/012946									
PRIOR FILING DATE: 2003-04-24									
PRIOR APPLICATION NUMBER: US 10/131,831									
PRIOR FILING DATE: 2002-04-24									
PRIOR APPLICATION NUMBER: US 10/325,899									
PRIOR FILING DATE: 2002-12-20									
NUMBER OF SEQ ID NOS: 3117									
SOFTWARE: PatentIn version 3.2									
SEQ ID NO 2625									
LENGTH: 575									
TYPE: PR									
ORGANISM: Homo sapiens									
US-10-511-937-2625									
Query Match									
Best Local Similarity 99.2%; Score 3176.5; DB 6; Length 575;									
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;									
Qy	1	MGVVLGALALAGLGFAPAPRPGSGSCVCHDFALYRGPATLMSQICDGRGHM	60						
Db	1	MGVVLGALALAGLGFAPAPRPGSGSCVCHDFALYRGPATLMSQICDGRGHM	60						
Qy	61	TVRSVADAVISILNGBGVGRRRLWTGLQLPFGCGDPKRLGPIRGFWVTGDNNTSYS	120						
Db	61	TVRSVADAVISILNGBGVGRRRLWTGLQLPFGCGDPKRLGPIRGFWVTGDNNTSYS	120						
Qy	121	RVARLDLNGAPICGLCAVAASAEATVPSSEPIWEEQOCBVKADGFLCEPHFPATCRPLAV	180						
Db	121	RVARLDLNGAPICGLCAVAASAEATVPSSEPIWEEQOCBVKADGFLCEPHFPATCRPLAV	180						


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QY 206 A--LPVSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAWDCSVENGCE--HACNAIRG 261
DB 101 APNVPITSPRIPLICRFGYQW-----DESNQCVDVDECATDTHQCNPTIOICINTBG 149
QY 262 APPCCGAGAAIQAADGRSCTASTQSCNDLCEHFCVNPDPQSGYSCMCETGYRLAADQHR 321
DB 150 GYTCSCTDGYWL-LBQ-QCLDIDECRYGVCQQLCA--NVPGSYSCCTCNPGFTLNDGRS 204
QY 322 CEVDVDCILIEPSCPCRCVNTQSGFCHCYPNYDL-VDEGCVPVPDPCFRANECYOCQPL 380
DB 205 CQDVNCEATE-NPCVOTCVNTYSLICRCDPGYTELEDGHCSDMECC--SFSEFLCQ-- 259
QY 381 NQTSYLCVCAEGFAPIPHEBPHRCOMFCNOTACPADCDPNTQASCCEPBGYI-LDDGFICT 439
DB 260 -----HEC---VNO-----PGTY-FCSCPPGTYILLDDNRSCQ 287
QY 440 DIDECENGGFCGCV---CHNLPGTFPECI 464
DB 288 DINECEHRNHTCNLQOTCVNLQGGFKCI 315

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RESULT 4
US-11-267-942-5
; Sequence 5, Application US/11267942
; Publication No. US20060094054A1
; GENERAL INFORMATION:
; APPLICANT: Schiemann, William P.
; APPLICANT: Alb19, Allan R.
; TITLE OF INVENTION: Fibulin-3 and Uses Thereof
; FILE REFERENCE: 2879-109
; CURRENT APPLICATION NUMBER: US/11/267,942
; CURRENT FILING DATE: 2005-11-04
; PRIOR APPLICATION NUMBER: 60/625,598
; PRIOR FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/687,129
; PRIOR FILING DATE: 2005-06-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-267-942-5

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Query Match 9.5%; Score 303.5; DB 7; Length 448;
Best Local Similarity 29.6%; Pred. No. 5.2e-14;
Matches 97; Conservative 36; Mismatches 126; Indels 69; Gaps 20;

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DB 48 TTP-EGCRGDMNCVNONGGYLC--IPRT-NP--VTRGYSNPYSTSYSGPYPAAPVPV 100
QY 206 A--LPVSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAWDCSVENGCE--HACNAIRG 261
DB 101 APNVPITSPRIPLICRFGYQW-----DESNQCVDV--ECATDTHQCNPTIOICINTBG 149
QY 262 APPCCGAGAAIQAADGRSCTASTQSCNDLCEHFCVNPDPQSGYSCMCETGYRLAADQHR 321
DB 150 GYTCSCTDGYWL-LBQ-QCLDIDECRYGVCQQLCA--NVPGSYSCCTCNPGFTLNDGRS 204
QY 322 CEVDVDCILIEPSCPCRCVNTQSGFCHCYPNYDL-VDEGCVPVPDPCFRANECYOCQPL 380
DB 205 CQDVNCEATE-NPCVOTCVNTYSLICRCDPGYTELEDGHCSDMECC--SFSEFLCQ-- 259
QY 381 NQTSYLCVCAEGFAPIPHEBPHRCOMFCNOTACPADCDPNTQASCCEPBGYI-LDDGFICT 439
DB 260 -----HEC---VNO-----PGTY-FCSCPPGTYILLDDNRSCQ 287
QY 440 DIDECENGGFCGCV---CHNLPGTFPECI 464
DB 288 DINECEHRNHTCNLQOTCVNLQGGFKCI 315

```

```

RESULT 5
US-10-505-928-676
; Sequence 676, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; CURRENT FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 676
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-676

```

```

Query Match 9.2%; Score 295; DB 6; Length 493;
Best Local Similarity 24.6%; Pred. No. 2.1e-13;
Matches 98; Conservative 53; Mismatches 130; Indels 118; Gaps 25;

```

```

QY 150 EPIWEE---QCEVKAQD---GFLCEFHPPA-TCRPLAVE-----PGAA 185
DB 36 DVPQOQCKDIDECDIVDACKGGMKCVNHYGTYLCTPKTAQIIVNNEQPOQETQPAEGTS 95
QY 186 AAASITTYGTFPFAARGADQALP---VGSAAVA-----PLGLQIMCT 225
DB 96 GATGVVAASSMATSG---VLPGGFVASSAAVAPBEMQGTGRNNFVIRNPNADPQRIPS 151
QY 226 APPGAVQGHMAREAPGAWDCSVENGCEHACNAIPCARPCCGAGAAIQAADGRSCTASTQ 285
DB 152 NPSHRIQ-----CAAGYEQSEH-----NYCQ-----DIDECTAGTH 182
QY 286 SCNDLCEHFCVNPDPQSGYSCMCETGYRLAADQHRCEVDVDCILIEPSPCPCRCVNTQGG 345
DB 183 NCR--ADQVCI---NKRGSFACQCPFGYOKRGEQ--CVIDIDECTIPY-CHQRCVNTPGS 234
QY 346 FECHCYPNYDLVNGE--CVEPVDPGFRAN-CEYOCQPLNQTSTYLCVCAEGFAPIPHEBPHR 402
DB 235 FYQCSRGFQLAANNVTQVD-INECDASNGCAQCCYNI-LGSFICQCNQGY-ELSSDRLN 291
QY 403 CQNF--CNOTA--CPADC--DPNTQASCCEPBGYIILDDGFICTDIDECENGFC--SGVC 454
DB 292 CEDIDECRTSSYLCQYQCVNERPG-KFSCMCPOGYQVRSRRTCODINECETWECREDEM 350
QY 455 HNLPGTF-----ECIGSPSALAHRI 475
DB 351 WNYHGGFRCPYPRNPPCQPIYILPBNKVCVPSNACREL 389

```

```

RESULT 6
US-11-267-942-2
; Sequence 2, Application US/11267942
; Publication No. US20060094054A1
; GENERAL INFORMATION:
; APPLICANT: Schiemann, William P.
; APPLICANT: Alb19, Allan R.
; TITLE OF INVENTION: Fibulin-3 and Uses Thereof
; FILE REFERENCE: 2879-109
; CURRENT APPLICATION NUMBER: US/11/267,942
; CURRENT FILING DATE: 2005-11-04
; PRIOR APPLICATION NUMBER: 60/625,598
; PRIOR FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/687,129
; PRIOR FILING DATE: 2005-06-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 493

```


Db 351 WNYHGGFRC 359

RESULT 9

US-10-196-749-52;
Sequence 52, Application US/10196749

Publication No. US20060094864A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C340

CURRENT APPLICATION NUMBER: US/10/196, 749

PRIOR FILING DATE: 2002-07-16

PRIOR APPLICATION NUMBER: 10/052586

PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544

PRIOR FILING DATE: 1997-10-28

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 52

LENGTH: 509

TYPE: PRT

ORGANISM: Homo Sapien

US-10-196-749-52

Query Match 8.3%; Score 265; DB 6; Length 509;

Best Local Similarity 25.4%; Pred. No. 2.1e-11;

Matches 87; Conservative 44; Mismatches 112; Indels 100; Gaps 19;

236 ABEAPAMCSYVN--CGCEHACNAIPARPCCPGALQADGRCTASTOSCNLCEH 293

18 AAFBDRMRPQIVSSIGLCRY-----GGG-IDCCGMARQSGQ-----CQVCCP 62

294 FCVPNDPQGSYSCEMCEGYRLADQRCEDVDCTLEPSPCQRCVNTQSGFECGCPN 353

63 RC-KHGEICGPMKCKHPY---AGKTCNODLANECGLKRPCHRCMNTYGSYKCYCLNG 118

354 YDLV--DGECEVPVDPGFANCEYQCOPLNQTSTYLCVCAEGFADIPHEPHRC---OMFCN 408

119 YMLMPGSCSAL--TCSMANCQYGCYDVV--KGIRCCQSPFGLIADPGRICVVDCCATG 176

409 QTAAP--ACCDPNTQAS--CECEGY---ILLDGFICTDIDECENGFP--CSGV--CHNLP 458

177 RASCEPFRQC--VTFESYICKCKHGFDMYIGSKYCHDIDECISLQYQCSSFARCYNVR 235

459 GTFECIC-----GPDALARHIGTDCDSGKVDGSDSGS-----492

Db 236 GSYKCKCKEGYQGDGLTCVYIPKVMIEPSCG-----IHVPKGNGLILKDGNNMWP 288

QY 493 -----EPPSPTRGSLTPP 507

Db 289 DVGSTWMPKTPYIPITNRTPTSKPTRTPTKPTPTPTPPP 331

RESULT 10

US-10-196-749-38

Sequence 38, Application US/10196749

Publication No. US20060094864A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C340

CURRENT APPLICATION NUMBER: US/10/196, 749

PRIOR FILING DATE: 2002-07-16

PRIOR APPLICATION NUMBER: 10/052586

PRIOR FILING DATE: 2002-01-15

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059266

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063486

PRIOR FILING DATE: 1997-10-21

PRIOR APPLICATION NUMBER: 60/063540

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063541

PRIOR FILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063544

PRIOR FILING DATE: 1997-10-28

Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 38

LENGTH: 737

TYPE: PRT

ORGANISM: Homo Sapien

US-10-196-749-38

Query Match 7.6%; Score 244; DB 6; Length 737;

Best Local Similarity 20.5%; Pred. No. 7.1e-10;

Matches 159; Conservative 78; Mismatches 245; Indels 292; Gaps 44;

QY 3 GVLVIGALL-----AGLGFAPAPQPGSGQCVHDC-----FALY 39

10 GAQLPALLLLLLLAGRGSSLANPVPAPASAPGCAAPCRNGVCTSRPBDPOH 69

40 PGAPATLNASQICDGLRGLMTVRSSVADVLSLLNGDGVGRRLMTGLQLPFGCCDP 99

70 PAPA-----GEPGYSTCTCPAGISGANQLV-----ADP 97

100 KRLGLPGRQWYTGNNNTYSRMARLDLNGALPC-----GPLCYAVSAEATVYSEPI 152

98 CASNPCH-----HONCSSSSSSSSD---GYLICINEGYEGPNC-----BOALPSLPA 141

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QY 153 --WEEQCEKADGFLCEFFHFPATCRPLAVEPGAAAAVSTYGTPEAAGADF-----Q 205
DB 142 TGTETEMARQLO-----PVPATGTGPDKILPRSQATVTLPTWQPTGQKVEMKMDYVE 195
QY 206 ALP---VSSAAVAPLGLQIMCTAPP-----GAVQGHMAREAPGANGDSEVNG 250
DB 196 VLPDIACGNASSVSSAGRLVSFEVQNTSVKIRODATASLILMVTATGFOQCCLIDG 255
QY 251 -----GCEH-----ACNAIRG---AR 263
DB 256 RSVTPLQASGGVLLEEMTALGNNHPIGFVNDVSTYSIALRLTLVVKYSTCVPGESHAN 315
QY 264 PCQC-----PAGALQADRSCTASTOSCNCLCEHF-----CV-PNDP 300
DB 316 DLECGSKGKCTTPESEATP-----SCTCEQYVGTCEBYDACQKRCQNNASCIDANEK 370
QY 301 QFGS-YSCMCEITGYRLAADQHRCEVDVDDCLBPSPCQKRVNTQGGEGCHYNYDLVDG 359
DB 371 QDGSNFTCVCLPQYTELQSK---IDYCLIDPCRNGATCISLSGFTCCQCPBGY---FGS 425
QY 360 ECVPEVDPCEFRANCEYQCCPLNOTSYL-----CVCAGFAP1PHEPHRCOM--FCNQTA 411
DB 426 ACEEKVPCASSCCQN-----NGTCYVDGVHFTCNCSPGFT---GFTCAQLIDFCALSP 476
QY 412 CP-ADC-DBNTQASCCECPBGYIIDDGFTC-TDIDECENGFC--SGVCHNLPGTPEFCIG 466
DB 477 CAHGTRSVGTYSKCLCDPEY---HGLYCEEBYNBCLSNP-CLNATCRNLVNGYECVC- 531
QY 467 PSALAH1GT-----DCDSGKVDG-----DSGSGEP 494
DB 532 ---LABYKGTHELKYKPCANVSCINATCDSDGNGTCTICAPGTGECIDIDINECS 587
QY 495 PSPTPGSTLTPA-----VGL---VH---SG-----LLIG-IS 521
DB 588 NPHHGSSCLDQNGYNCCHCPHGVGANCIFILQMSGHMAESLTMNPHSLYITIGALC 647
QY 522 IASLCVALLALILCHLRK--KOGAARAKME--YKCAAPSK-----VVLQHRV 566
DB 648 VAIILMLILIVGICRISRIEYOGSSRPAYEEFYNCRISIDSEPSNMAISIRHAR 701

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RESULT 11
US-10-505-928-371
; Sequence 371, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 371
; LENGTH: 1247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-371

```

Query Match 7.4%; Score 238; DB 6; Length 1247;

Best Local Similarity 27.1%; Pred. No. 2,9e-09; Matches 84; Conservative 29; Mismatches 105; Indels 92; Gaps 21;

```

QY 272 ALQADRSCTASTQSCNDLCEHFVBNPDQSGYSQMCETGYRLAADQHRCEVDVDDCL 331
DB 667 ALQ---NPCYIGHGCD--TNAACRPGPRT--QFTCECSIGFR--GDGRCTYDIDECSEQ 717
QY 332 PSFCPQR--CVNTQGGEGCHYNYDLVD--GECV-----EPVDPCEFA--NCEY-----QC 377
DB 718 PSVCSHTTICNNHPTFRCEVGEYQSPDSDEGTCVAVVDORPINYCEGTGLHNCIDI 777

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QY 378 OPLNOTSYLVCAGFAP1PHEPHRCQMCNOTAC-PADCDP-----NTQAS--CECPG 429
DB 778 IYGGSSYTCSCLPGRS---GGQACQ---DVDECQPSRCHPDAFCYNTPGSFTCQCKRG 831
QY 430 YLDDGFTC-----TD-----IDECG-NGFGSGVGH 455
DB 832 Y-QGDFRCVPEVEKTRCONERHILGAAGATDPQRP1PGLFVPECAGHGYAPTOCH 890
QY 456 NLPGTPECICGPDASALAH1GTDGSKVDGDSGSEPPSPPTGSTLTPPAVLVHSG 515
DB 891 GSTGYCWCY-----DRGRVYEGRTTRPGMTPCL---STVAP-----IHGG 930
QY 516 LLIGISIASL 525
DB 931 PAVPRAV1PL 940

```

Query Match 6.4%; Score 205.5; DB 6; Length 5738;
Best Local Similarity 22.1%; Pred. No. 1.7e-06;
Matches 136; Conservative 30; Mismatches 249; Indels 201; Gaps 27;

```

QY 25 PGSGQVEHDCFALYGPATFLNASTQICDGLKGLMTVASSVAADVYISLLNGDGVGR 84
DB 1794 PGEVSCVDGTC-----LGA1QLCDG-----VMDCPDGADGEPGHC 1828
QY 85 RLWIGLQLPFGGDPKRLGRLGFQWVTGDNNTSYSRWMLDNGAPLCPICVAVSAE 144
DB 1829 PL-PSLPTPTASTLP--GP-----SPGSLDASSPLA--SASPARPCGPFPRFGSGGE 1876
QY 145 ATVPSEPIWEEQCEVKAD-----GFLCEFHFPATCRPLAVEGAAAAV----- 189
DB 1877 CTPRGWRCDQEBDCADSDBERGCGPCARHNAFCARGFVSPBQCDGVRCQPDGSDG 1936
QY 190 ---STYGTTPPARGADFOALPVGSSAAVAPLGLQIMCTAPPQAV--QGHMARE----- 238
DB 1937 PDACVAPAPAPPMKRGPGQAGGPTSSRAPSP-----PSPEAQEGKRGGERSTHUT 1989
QY 239 -----APGAMPQSVENGSC---EHAUNAIPGAPCCQCPAGA--ALQADRSCTAST 284
DB 1990 VPAGSTQLPLCPGLFPGVAPGLCLTPEOLCGIP-----DPOGDELDCCGLPALGSP 2044
QY 285 QSCNDLCEHFVBNPDQSGYSQMCETGYRLAADQHRCEVDVDDC-----ILBPS----- 333
DB 2045 NRTGLPCPBYTCNG-----TCL---GFOLV-----CDGPDCCGARGVGVSPREOGCG 2090
QY 334 -----PCQKRCVNTQGGEGCHYNYDLVDGECVBP--VDPCEFRANC----- 373
DB 2091 AMGPMPWPCGSRKTCGPMWCGGSRRCSPGLGLVTLQNCPEBHQSOACFTAAACPVDEWST 2150
QY 374 -----EXQCCPLNOTSYLVCAGAE----- 392
DB 2151 WSPWVSCSEPCRGTMTRORCHSPONGARTCAALPGGLHSTROTQPCPDGCPNATCSG 2210

```

```
QY 393 --FAP1PHEPRHRCQMFNCQTACPADCDPNTQASCECEBEGYILDGFICTDICE----- 445
Db 2211 LMFQCAPCPLTDDDSIGVTCPPDM-PCGSPGCKWCEBEGVLSBEGCWPRQCPLCLVDS 2269
QY 446 ---NGFCGSGVCHNLPGTEECICGPDLSALARIHIGTDCSGKVDG-----DSGSGEPP 495
Db 2270 ARYWPQORIKACDQ-----LCICODGRPRRCRLNPDCCAGEALPSGSLVLSLDRPAHNP 2323
QY 496 PSPTRGSLTLPRAVGL 511
Db 2324 --PPSGSDCWPSLSGL 2337

RESULT 13
US-10-196-749-290
; Sequence 290, Application US/10196749
; Publication No. US2006094864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Matanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C340
; CURRENT APPLICATION NUMBER: US/10/196,749
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 290
; LENGTH: 1523
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-749-290

Query Match 6.2%; Score 197; DB 6; Length 1523;
Best Local Similarity 24.1%; Pred. No. 1,8e-06;
Matches 84; Conservative 44; Mismatches 141; Indels 80; Gaps 23;
```

```
QY 278 RSCTASTGSCNDL-CEH--FCVNPDPQSGYSCECEGTGYRLADQRCBEPV-DDCILEPS 333
Db 991 QRCENIPDDCEDDCEENATCV---DGINNYVICCPNRY---TSELCDSEVIDHCVPBLN 1043
QY 334 PCPO--RCVNTQGFECHECHYPNYDLVGE-CVEPVPDPCFRANCEYOCOPLNO--TSYLVCV 389
Db 1044 LQHEAKCIPLDGFGSCCEVPGY---SGKLCEITDNDVCVAKHRCAGACVDTLNGVTCCTC 1100
QY 390 AEGFAP1PHEPRHRCQMFNCQTACPAD---CDPNTQA-----SCCEBEGYILDGFICT 439
Db 1101 PGGFSG-PCCEHPPPVLLQTS-PCDOYECQNGAQCIWVQOEPTCRCPGFA---GPRCE 1155
QY 440 DIDECENGFCGSGVCHNLPGTEECI-----CGPDLSALARIHIGTDCSDG 482
Db 1156 KL-----ITVNVGKDSYVELASAKVRPQANISLQVAYTXDONG 1193

RESULT 14
US-10-505-928-831
; Sequence 831, Application US/10505928
; Publication No. US2006008852A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; CURRENT FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 831
; LENGTH: 2026
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-831

Query Match 5.6%; Score 179; DB 6; Length 2026;
Best Local Similarity 21.6%; Pred. No. 3,6e-05;
Matches 141; Conservative 43; Mismatches 186; Indels 284; Gaps 41;
```

[illegible]

RESULT 15

```

US-10-505-928-569
; Sequence 569, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 569
; LENGTH: 4550
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-569

```

Query Match	5.3%	Score 168.5	DB 6	Length 4590
Best Local Similarity	21.8%	Pred. No. 0.00038		
Matches 95, Conservative	44	Mismatches 137	Indels 159	Gaps 26

```

QY      192  TYGPFEPARGADFOALPYVGSSAAVAFLGLQMLMCTAPG-----AVQ  232
Db      366E  THAAVVMYARGTDTYSLEIHHGR---LQYKFDCCSGPGIVSVQSIQVNDGQMHVALEVN  392121
QY      233  GHMAR-----EAPGA-----WDCSVNGGCEHACNAIP---GAREC  265
Db      3922  GNVARVLVDQVHTASGTAPGLTKLTLDNVYVFFGGHIRQOGRHGRS--PQVNGFRGCM  3979797
QY      266  -----QCPAGALQ-----ADGRSCASTASQCNLDCEHFCVNPDPQGSYS  306
Db      3960  DSIYINGGELPLNPSRPSYAHIEESVDVSPGCFELATADCASNPQONGVCNCPSPAGGY  40399
QY      307  CMCEGTGYRLAADQHRCE-DVDDCILEPSRCPQRCVNTQGGFECHCYPNYDVLVDCGEPV  365
Db      4040  CKCSALY---IGTH-CEISVYNCSNPCLCYGSTCVVDNNGFPYC-----  4078
QY      366  DPCFRANCEYOCQPLNQTSTYLCVCAEGFAPRIEHPHRQCM--FCNQIYACP-ADC-DPNT  420
Db      4079  -----QCRGL-----YTGORCOLSPYCKDCEPKNGKTCFDSLD  4111
QY      421  QASCEPBGYLDDDFIC-TDIDCEGNGFC--SGVCNHLPTETPECIGPDSALARHIGT  477
Db      4112  GAVCCGDSGDF--KBERCOSDIDEC-SGNPLCHGLCENTHSGSYNCNSHE-----YGR  4162
QY      478  DCDSGKVDGDSGSGSEPPSPPTGSGTL-TPPARGVHSGLLIGISIASLCLVALLALLC  536
Db      4163  HCEDA-----APNGVSYTPNMIGLA-EGIGIVPEVAGIFLLVVVF-VLC  4204
QY      537  H---LRKKQGAARAK  548
Db      4205  RKMISRKKGQAEPK  4219

```